EIGHTH EDITION CATALOGUE.

ALEX. MATHIESON & SONS,

LIMITED

SARACEN TOOL WORKS, GLASGOW.

TRADE MARK.

ESTABLISHED 1792.

BRANCH WAREHOUSES

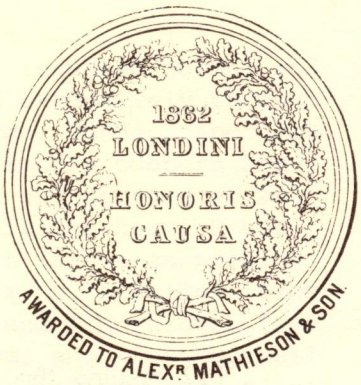
EDINBURGH AND LIVERPOOL.

KEN ROBERTS PUBLISHING CO.
P.O.Box 151
Fitzwilliam, N.H. 03447

$4.00

SARACEN TOOL WORKS,
EAST CAMPBELL STREET, GLASGOW.
Established, 1792.

WAREHOUSES.
EDINBURGH, 23 Cockburn Street.
LIVERPOOL, 41 Byrom Street.



SELECTIONS FROM THE

ILLUSTRATED PRICE LIST

OF

WOOD WORKING TOOLS

MANUFACTURED BY

ALEXR MATHIESON & SONS, LTD

GLASGOW.

KEN ROBERTS PUBLISHING CO.
ISBN 0-913602-11-6 March 1975

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LONDON EXHIBITION 1862, PRIZE MEDAL
MELBOURNE EXHIBITION 1880, GOLD MEDAL

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EIGHTH EDITION, 1899.

INTRODUCTION.

IN issuing the Eighth Edition of our **ILLUSTRATED PRICE LIST,** we desire to acknowledge the appreciation bestowed upon the Edition it supersedes, and hope that the present volume will be found still more serviceable.

The Goods have been more fully Illustrated, and many new lines have been introduced. A Number has been given to each item to facilitate the clear specification of orders. The Prices have been carefully revised, and, in many cases, important reductions effected, to which we invite the examination of buyers.

We take the opportunity of thanking our numerous Customers for their continued confidence, and we hope this Edition of our Catalogue will lead to a further development of the business entrusted to us.

ALEX. MATHIESON & SONS, Ltd.

SARACEN TOOL WORKS,
GLASGOW, 1899.

NOTE.—Prices are subject to alterations from time to time, and these cannot always be notified. The Engravings, though generally representative, are not to be held binding as to details.

TRADE MARKS.

FOR BEST QUALITY.

FOR SECOND QUALITY.

FOR SECOND QUALITY.

FOR THIRD QUALITY.

THE SECOND AND THIRD QUALITIES ARE ONLY MADE IN SPECIAL CLASSES OF GOODS.

BENCH PLANES.

JACK PLANES

IRONS WITH NUTTED STEEL TOPS.

No.		17	17	17	18	18 in. long
		2	2⅛	2¼	2⅜	2½ in. irons
700	C.S. Best Quality, Warranted,	5/	5/	5/3	5/9	— each
701	" " " Close Handle,	5/3	5/3	5/6	6/	6/3 "
702	G.S. Second Quality, ...	4/6	4/6	4/9	5/3	— "
703	" " " Close Handle,	4/9	4/9	5/	5/6	5/9 "

704—Spout Jack Plane, Round Face, C.S. Iron, 2⅛ in., 8/6 "

705—Pattern-makers' Jack Plane—Round across—with 6 Removable Soles, to suit different circles, and 6 Single Irons, 2 in., to correspond, } 34/ "

In ordering No. 705, specify Circles required.

TRYING or JOINTER PLANES

IRONS WITH NUTTED STEEL TOPS.

		22	22	24	26	28	30 in. long
		2⅜	2½	2½	2⅝	2⅝	2⅝ in. irons
706	C.S. Best Quality, Warranted,	6/9	6/9	7/6	8/	8/6	9/ each
707	G.S. Second Quality, ...	6/3	6/3	7/	7/6	8/	8/6 "

For Coopers' Jointer Planes, see Coopers' Tools.

SMOOTHING PLANES

IRONS WITH NUTTED STEEL TOPS.

		2	2⅛	2¼	2⅜	2½ in. irons
708	C.S. Best Quality, Warranted, ...	3/9	4/	4/3	4/9	5/3 each
709	G.S. Second Quality, ...	3/3	3/6	3/9	4/3	4/9 "
710	Plated Steel Sole, C.S., Best Quality,	7/	7/3	7/6	—	— "
711	Iron Front, " "	9/	9/	9/3	—	— "
712	Compass Sole, " "	4/3	4/6	4/9	—	— "
713	" Steel Plated, " "	7/6	7/9	8/	—	— "
714	" Wood Stop, " "	6/	6/3	6/6	—	— "
715	" Boxwood T Stop, "	7/6	7/6	7/9	—	— "

		1½	1¾	2	2⅛	2¼ in. iron
716	Hollow Sole or Forkstaff, C.S., Best Quality,	6/	7/	7/3	7/6	7/9 each

For Coopers' Smoothing, Stoup, and other Planes, see Coopers' Tools.
For Coachmakers' Smoothing Planes, see Coachmakers' Tools.

THIRD QUALITY BENCH PLANES, Stamped TERTIUS G KEEN & Co

WITH DOUBLE IRONS.

	2	2⅛	2¼ inch
717—Jack Planes, ...	3/3	3/4	3/5 each
718—Smoothing Planes, ...	2/6	2/7	2/8 "

719—Trying Planes, ... 22 in., 4/6; 24 in. long, 5/ "

PANEL PLANES

IRONS WITH NUTTED STEEL TOPS.

No.			
720	Panel Planes, C.S., Best Quality,	2½ inch, ...	6/3 each
721	" G.S., Second Quality,	2½ " ...	5/9 "
	" Slipped, extra,	2½ " ...	1/ "

SKEW or BADGER PLANES

IRONS WITH NUTTED STEEL TOPS.

	2⅛	2¼	2⅜	2½ inch
722—Skew or Badger Planes, C.S., Best Quality,	8/6	8/9	9/	9/3 each

723— " " if Fenced, each Fence, extra 2/6

FIELDING PLANES, Badger Mouth

IRONS WITH NUTTED STEEL TOPS.

724—Smoothing Size, C.S., Best Quality, to 2 in., Single Iron, 6/3 each

725— " " " " Double " 8/3 "

" " " each ⅛ in. extra, 6d "

726— " " " in Sets of 3 (2 Single & 1 Double), 20/9 each Set

TOOTHING PLANES

727—Toothing Plane, 1 Iron, ... 2 in., 3/3; 2⅛ in., 3/6 each

Extra Irons, 1/2 each.

BOXMAKERS' FLOGGER PLANES

WITH C.S. SINGLE IRONS.

	2	2⅛ inch
728—Boxmakers' Floggers, ...	3/6	3/9 each

MAST or SPAR PLANES

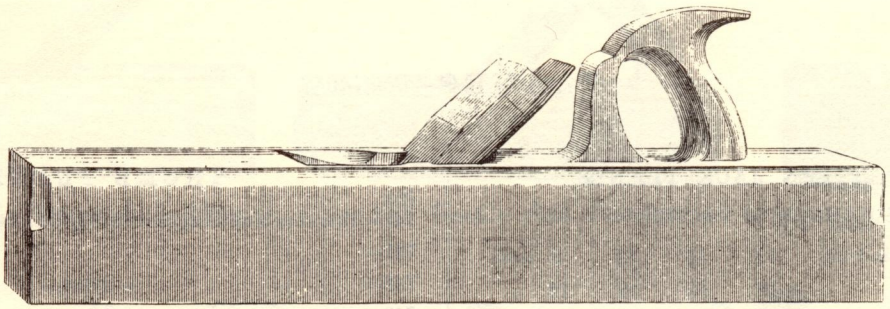
729—Hollow Sole, Mast or Spar, Planes, 2¼ in., Single Iron, 4/3 each

730— " " " 2¼ " Double " 5/9 "

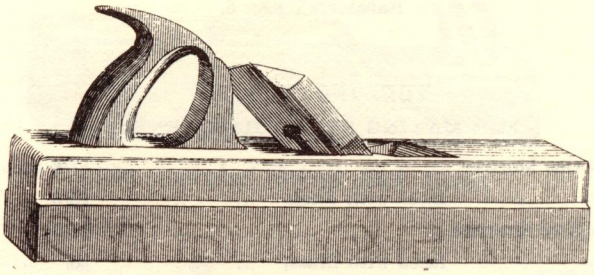
731— " " with Checked Sides, 2¼ " Single " 5/9 "

732— " " " 2¼ " Double " 7/3 "

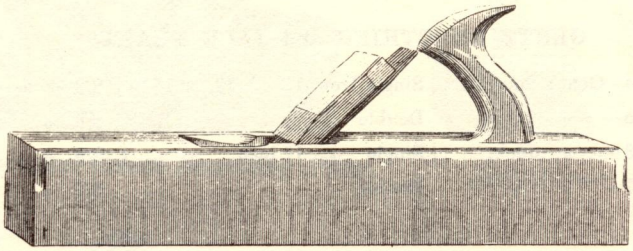
PLANES



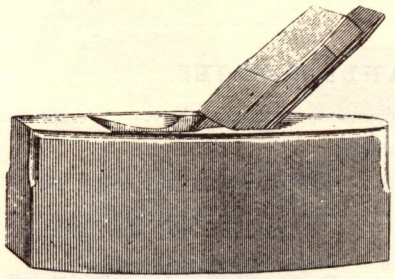
706 *Trying Plane*



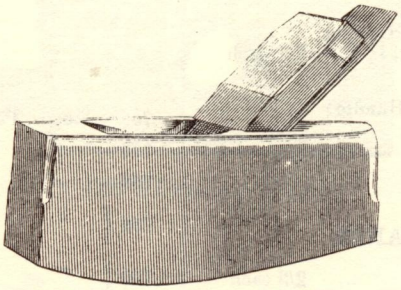
722 *Badger or Skew Plane*



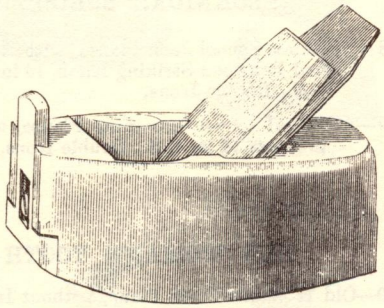
700 *Jack Plane*



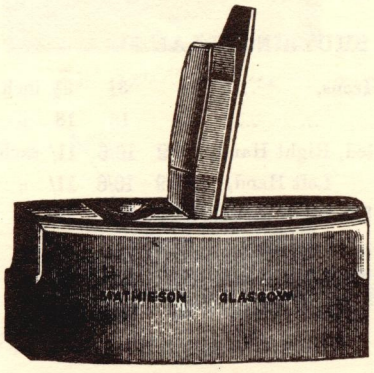
708 *Smoothing Plane*



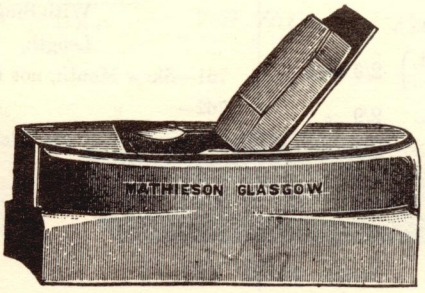
712 *Compass Smoothing Plane*



715 *Smoothing Plane with Boxwood T Stop*

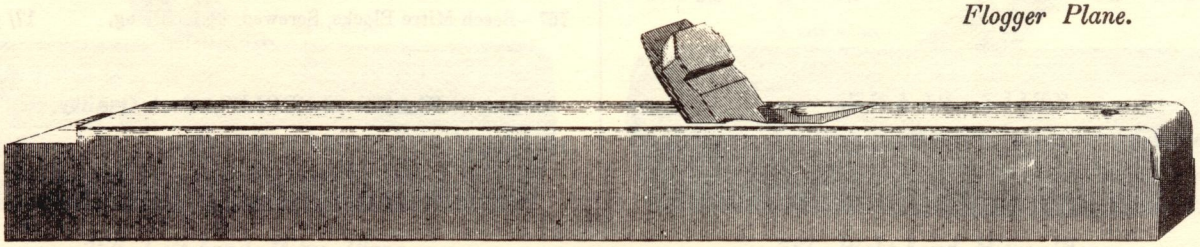


727 Toothing Plane.



732 Mast or Spar Plane.

728 Boxmakers' Flogger Plane.



Cooper's Jointer Plane

PLANES—*Continued.*

GERMAN PATTERN JACK PLANES,

WITH HANDLE IN FRONT.

No.						
	With Single Iron,	1¼	1½	1¾	2	inch
	Length, ...	10	10	12	12	"
733—		3/6	3/6	3/9	4/3	each

GENT'S SMOOTHING and JACK PLANES.

734—Gent's Smoothing, Single Iron, 1½, 1⅝, 1¾, or 1⅞ in., 2/2 each
735— " " Double " " " 2/8 "
736— " Jack, Single " 1¾ inch, ... 2/9 "
737— " " Double " ... ... 3/3 "

TECHNICAL SCHOOL PLANES.

738—Technical School Jack Planes, with Sunk Handle and Boxwood Striking Knob, 14 in. long, 1¾ in. C.S., Double Irons, ... } 5/3 each
739—Technical School Smoothing Planes, with Handle in front, 1¾ in. C.S., Double Irons, ... } 5/ "

OLD WOMAN'S TOOTH PLANES.

740—Old Woman's Tooth Plane, without Iron, ... 2/3 each
741— " " with Iron, ... 3/ "

CHAMPHERING PLANES.

742—Champhering Smooth Plane, with Brass Front, 1¼ in., Single Iron, ... } 2/9 each
743—Champhering or V Planes, Single, to ⅜ in., ... 2/9 "
744— " " Double, to ⅜ " ... 3/3 "

STEP NOSING PLANES.

	1	1¼	1½ inch
745—Step Nosing Planes, ...	3/9	4/6	5/3 each

SPILL PLANE.

746—Spill Plane, for making Curled Shavings, ... 3/9 each

THUMB PLANES.

No.
747—Thumb or Modelling Smoothing, C.S., Single Iron, to 1¼ in., 1/10 each
747— " " " " 1½ " 2/ "
748— " " Compass, " " 1¼ " 2/3 "
749— " " Hollow, " " 1¼ " 2/8 "
" " if Boxwood, extra, 1/ "

Rabates, *see page 5.*

TURNING PLANES.

FOR MAKING ROUND HANDLES, &c.

750—One Mortise, ... 11/6 each
751— " faced with Brass, ... 15/6 "
752—Two Mortises, ... 17/6 "
753— " faced with Brass, ... 26/ "
754—One Mortise, Wood Screw, Self-adjusting, ... 13/6 "
755—Two " " " ... 21/ "

PANEL GAUGES.

756—Gauges, Panel, Unhandled, Plain, with Key, ... 3/3 each
757— " " Handled, " " ... 6/ "
758— " " " Brass Mounted, with Key, 8/9 "
759 { " " " Brass Mounted, and Steel Top Plate, with Key, } 10/ "
760 { " " " Brass Mounted on Top and Fence, with Thumbscrew, } 12/ "

MITRE or SHUTEING PLANES.

With Single Irons, ...	3	3¼	3½	inch
Length, ...	18	18	18	"
761—Skew Mouth, not Plated, Right Hand,	9/9	10/6	11/	each
762— " " Left Hand,	9/9	10/6	11/	"
763— " Steel Plated on Sole, Right Hand,	17/6	18/	19/	"
764— " " " Left Hand,	17/6	18/	19/	"
765— " " " & Side, Right Hand,	22/	22/6	23/	"
766— " " " " Left Hand,	22/	22/6	23/	"

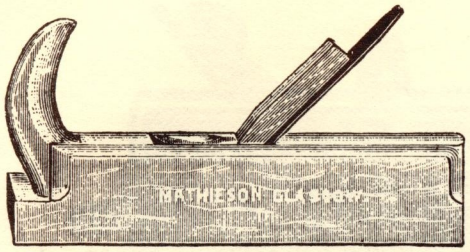
BEECH MITRE BLOCKS.

767—Beech Mitre Blocks, Screwed, 9½ inch long, 17/ per doz.

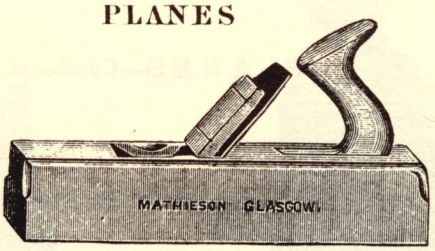
PLANE HANDLES, Best Quality.

768—Close, ... 8/6; 769—Open, ... 6/ per doz.

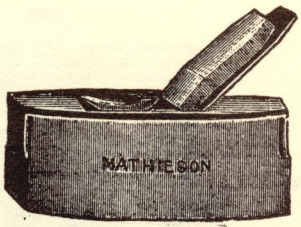
PLANES



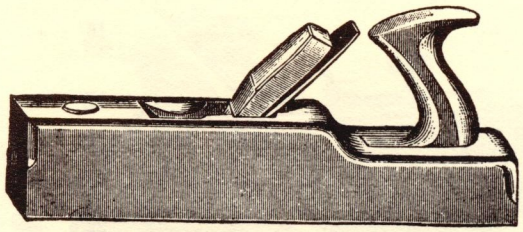
733 "German" Pattern Jack Plane.



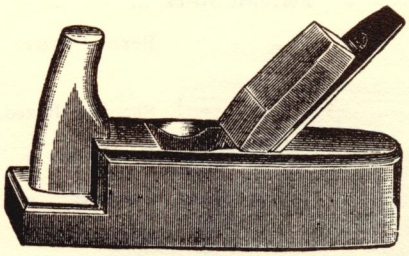
737 Gent.'s Jack Plane.



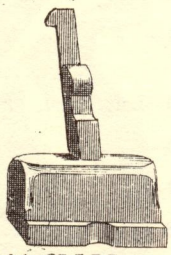
735 Gent.'s Smoothing Plane.



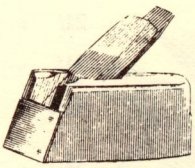
738 Technical School Jack Plane.



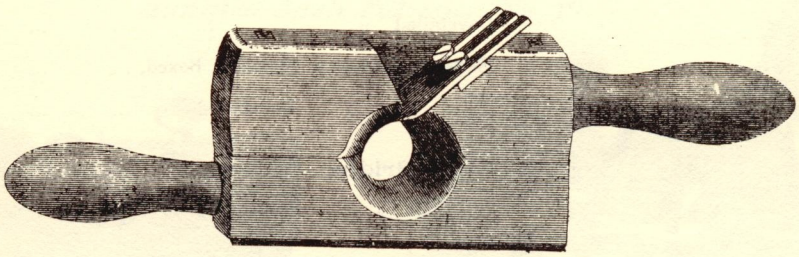
739 Technical School Smoothing Plane.



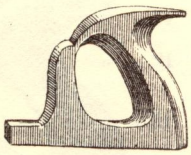
741 Old Woman's Tooth Plane



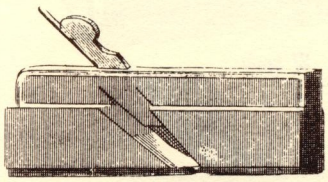
742
Champhering Smooth Plane



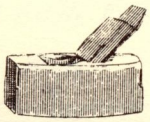
750 Turning Plane



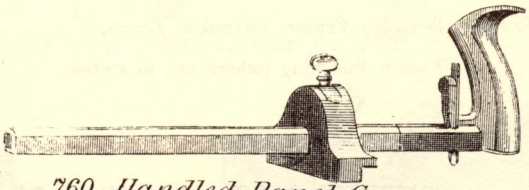
768 Close
Plane Handles



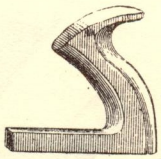
746 Spill Plane



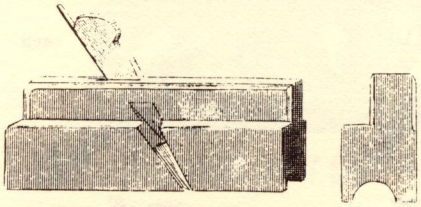
747 Thumb Smooth Plane



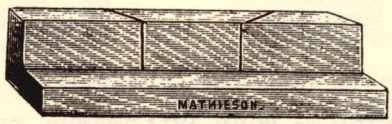
760 Handled Panel Gauge



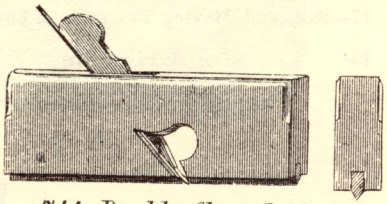
769 Open



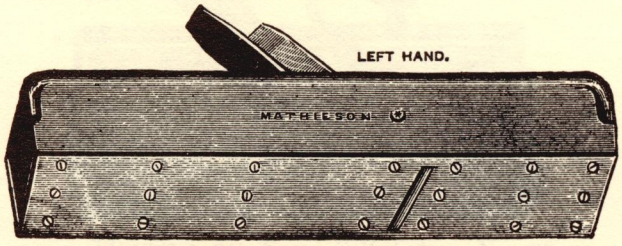
745 Step Nosing Plane



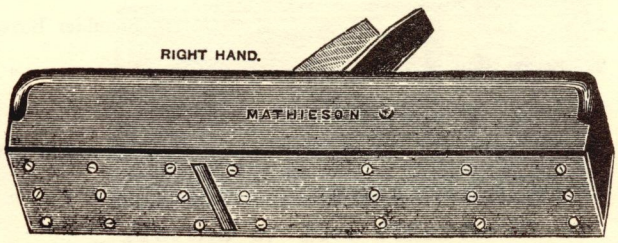
767 Mitre Block.



744 Double Champhering



766 Left-hand Mitre Plane.



765 Right-hand Mitre Plane.

PLANES—*Continued.*

SASH FILLETSTER PLANES.

No.		
1	Right Hand, Wood Stop,	6/9 each
2	" " with Plow Stop, as shown in Illustration of No. 3,	10/ "
3	" " " " Ferruled Stems,	14/6 "
4	" " " " " Boxed Corner,	16/ "
5	Left Hand, Screw " " Shoulder Boxed,	17/ "
6	" " " " " Dovetailed "	20/ "
7	" " " " Screw Stems, Shoulder "	19/6 "
8	" " " " " Dovetailed "	22/6 "

Nos. 5, 6, 7, 8, when with Solid Handle, are Nos. 9, 10, 11, 12, as under.

9	" " Solid Handle, Screw Stop, Shoulder Boxed,	21/6 "
10	" " " " " " Dovetailed "	24/ "
11	" " " " " " Screw Stems, Shoulder Boxed,	24/ "
12	" " " " " " " " Dovetailed "	26/6 "
13	" " " " " " Steel Bridle, Shoulder " French Polished,	38/ "
14	" " " " " " " " Dovetailed " " "	40/6 "
15	" " " " " " Patent Brass Stems, Shoulder Boxed, French Polished,	35/6 "
16	" " " " " " " " " Dovetailed " " "	37/6 "

EXTRAS—Boxwood Fences, instead of Beech, ... 2/ each

French Polishing (where not so stated), ... 2/ "

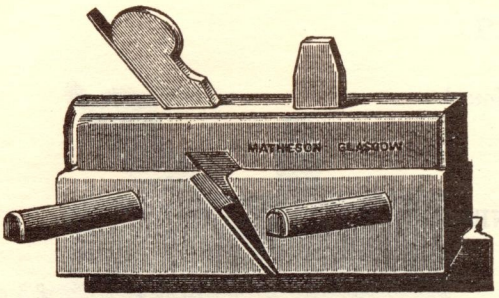
COMBINED SASH and MOVING FILLETSTER PLANES.

17	Sash and Moving Filletster in one, Double Stop, Dovetailed Boxed,	25/ each
18	" Solid Handle " " " " "	30/ "

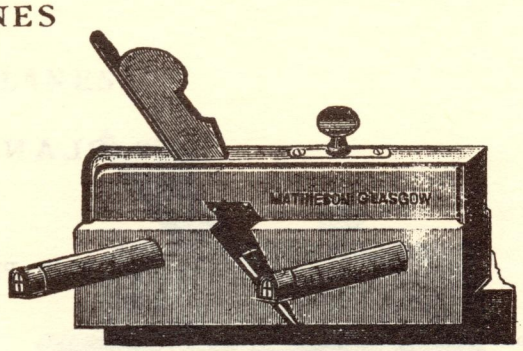
MOVING or FORE FILLETSTER PLANES.

20	Cutter and Brass Stop,	6/9 each
21	" " Shoulder Boxed,	7/9 "
22	Screw Stop, " "	10/ "
23	Long Screw Stop, three Slides on Fence, " "	11/ "
24	" " " Dovetailed Boxed,	13/6 "
25	Best, with Solid Handle, " "	18/ "

FILLETSTER PLANES



Sash Filletster No. 1.



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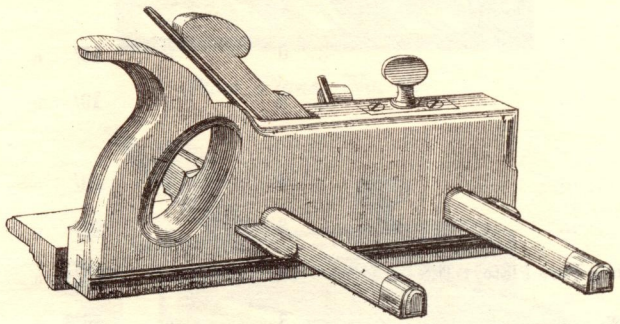
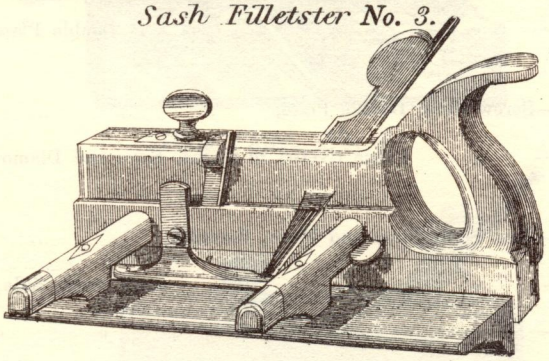
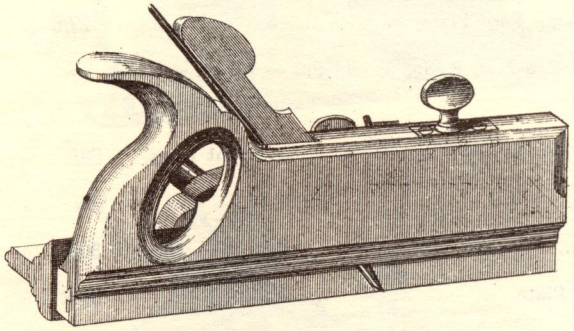
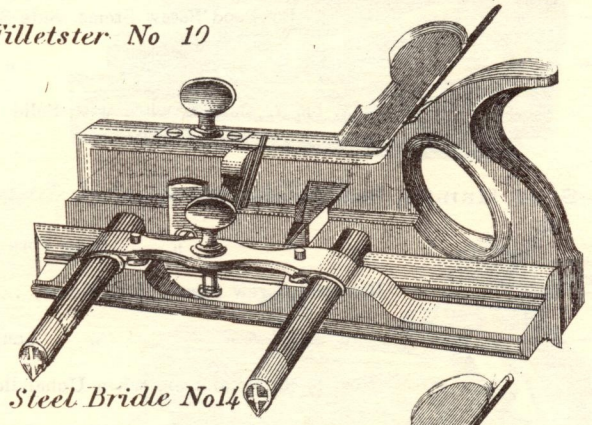


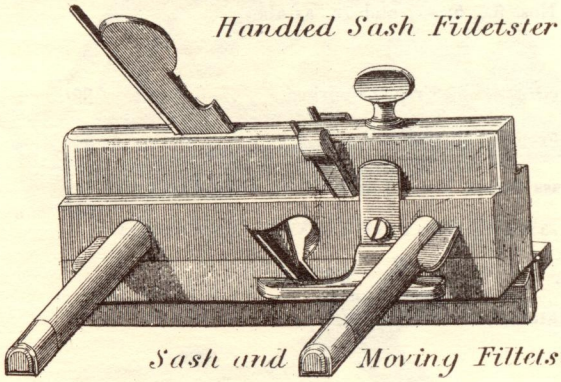


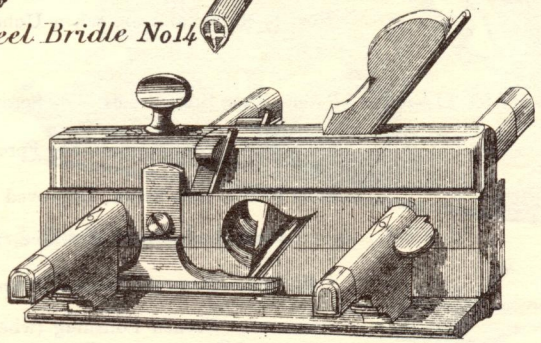
Handled Sash Filletster No 19



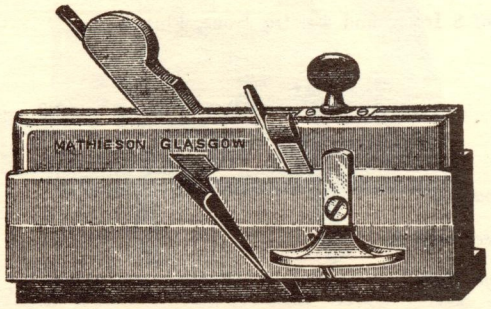


Handled Sash Filletster with Steel Bridle No14

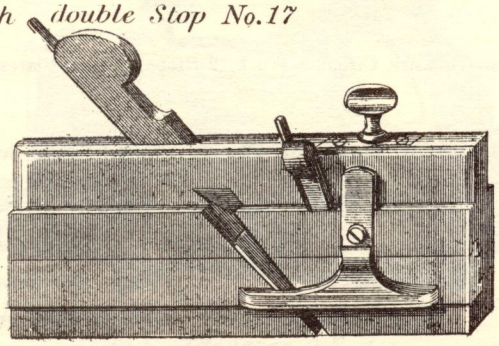




Sash and Moving Filletster in one with double Stop No.17



Moving or Fore Filletster No. 22.



Moving or Fore Filletster No. 24

PLANES—*Continued.*

FLIT PLOW PLANES.

No.				
1	Wood Stop, Round Brass Ferruled Stems, ...	1 Bright Iron,		8/6 each
2	" " " Double Plate, ...	6 " "		12/6 "
3	Screw Stop, Double Plate, ...	6 " "		15/ "
4	" Fence riveted to Stems, Keys and Diamonds, ...	8 " "		19/ "
5	Best Screw Stop and Plate, Ferruled, ...	8 " "		23/ "
5A	" " " extra work, Side Screw, ...	8 " "		24/ "
5B	" " " " " Long Fore Plate, to Plane over Mortices,	8 " "		25/ "
7	" " Boxwood Screw Stems, Side Screw, ...	8 " "		26/6 "
7B	" " " " " Long Fore Plate, ...	8 " "		27/6 "

Nos. 5A, 5B, 7, and 7B, when with Solid Handle, are Nos. 8, 8B, 9, and 9B, as under.

8	**Solid Handle,** Best, Ferruled, Side Screw, ...	8 Bright Irons,		28/ "
8B	" " " " Long Fore Plate, ...	8 " "		29/ "
9	" Boxwood Screw Stems, Side Screw, ...	8 " "		30/6 "
9B	" " " " Long Fore Plate, ...	8 " "		31/6 "

Nos. 8, 8B, 9, and 9B, when Unhandled, are Nos. 5A, 5B, 7, and 7B, as above.

10	**Solid Handle,** Patent Brass Slide Stems, Side Screw, Long Fore Plate, and French Polished, ...		39/ "
11	" Steel Bridle, Side Screw, Long Fore Plate, and French Polished, ...		44/ "
12	" Steel Bridle, Side Screw, Improved Angular Brass Stems, Brass Lined Fence, Long Fore Plate, and French Polished, ...		54/ "

EXTRAS.—Boxwood Fences instead of Beech, ... 2/6 each

French Polishing (where not so stated), ... 2/ "

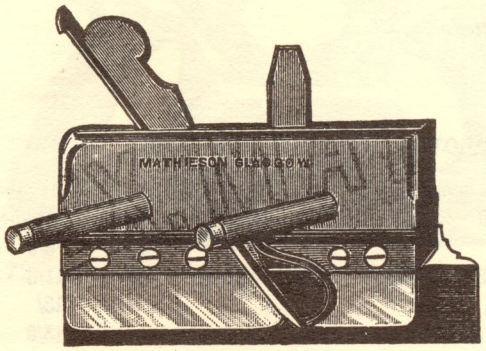
6	To work Circular Work, 2 Stops, 2 Pair Plates, ...	Usual set of 8 Irons, and 4 extra Irons, Fluted,	45/ "
13	**Small Cabinet Plow,** Shifting Fence, Screw Stop, ...	5 Bright Irons,	18/6 "

For Plow Glass Checks, see page 5.

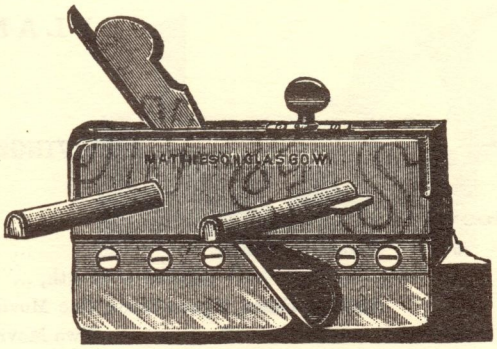
For Groovings or Match Plows, see page 5.

For Plow Irons, see Light Edge Tools.

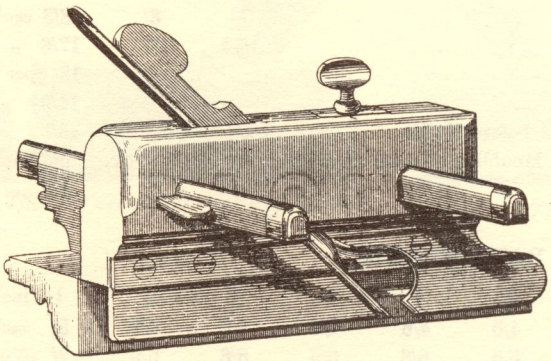
PLOW PLANES

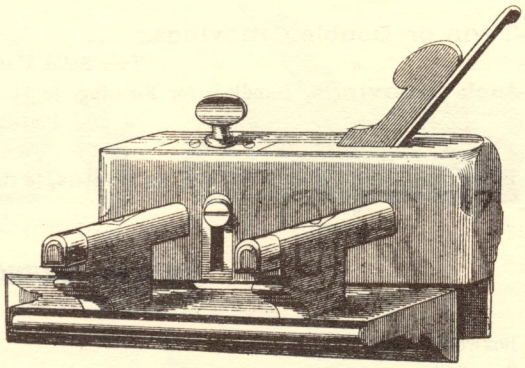


Plow Plane. No. 2.

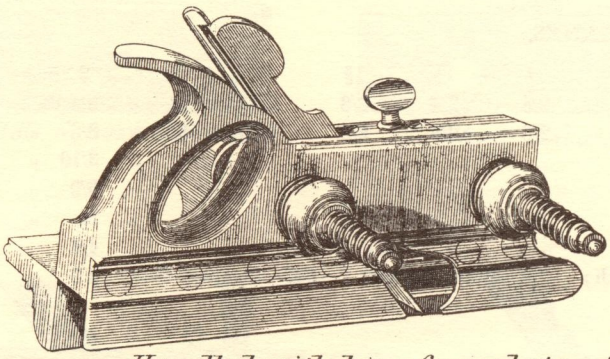


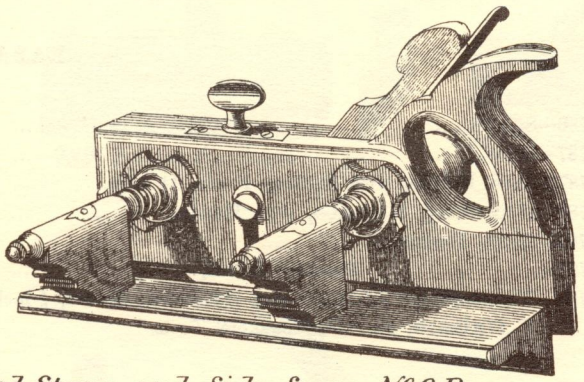
Plow Plane. No. 4.



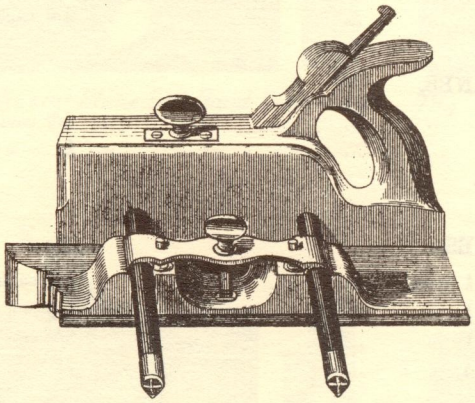


with long fore plate and Side Screw N°5B

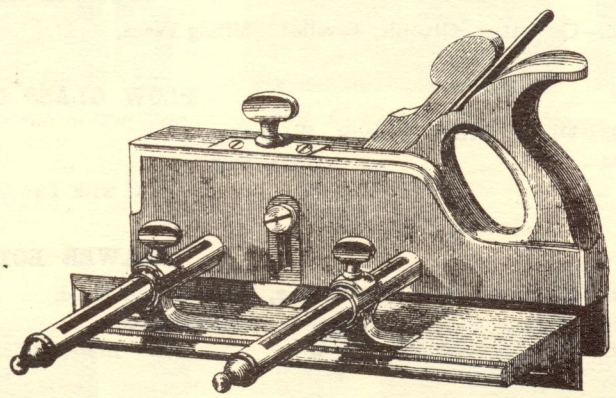




Handled with long fore plate Screwed Stems and Side Screw N°9B



Handled with Steel Bridle and Side Screw N° 11



Handled with patent brass Slide Stems and Sidescrew N° 10

PLANES—*Continued.*

GROOVINGS or MATCH PLOWS.

No.		¼	⅜	½	⅝	¾	⅞	1 inch
770	Groovings for Slit Deal,	6/6	5/6	5/6	5/6	5/6	6/	6/3 per pair
771	" Plated on Fence,	8/6	8/	8/	8/	8/	8/6	8/9 "
772	" " " and before Mouth,	11/	10/6	10/6	10/6	10/6	11/	11/3 "
773	" Shifting Fence, 3 pairs Irons, One Moving Slip,							13/ "
774	" " 3 " Two Moving Slips, for large sizes,							13/6 "

Any of the above, with Solid Handles, extra per pair, 8/6.

		To ¾	⅞	1 inch
775	Twin or Double Groovings,	7/	8/	8/3 each
776	" " " Two Solid Handles,	16/3	17/	17/6 "
777	Jack Groovings, Handled, for Flooring, to 1½ inch,			12/ per pair
778	" " " " Plated on Fence,			14/9 "
779	" " " " " " and before Mouth,			19/6 "
780	French Grooving Planes, for Shutters, to run Groove and Moulding at same time, with Ovalo Moulding,			5/3 each
781	" " " " " " Ogee "			5/3 "

RAGLET, TRENCHING, or DADO PLANES.

	¼	⅜	½	⅝	¾	⅞	1 inch
782—Boxwood Stop,	4/6	4/6	4/6	4/6	4/6	4/9	5/ each
783—Screw Stop,	6/6	6/6	6/6	6/6	6/6	6/9	7/ "

784—Flooring Raglet, with Handle, 9/; 785—Flooring Raglet, with Handle, Plated on Sole, ... 10/9 "

RABATE PLANES.

	To 1	1⅛	1¼	1⅜	1½	1¾	2 inch
786—Square,	2/4	2/4	2/4	2/6	2/8	3/	3/4 each
787—Skew,	2/6	2/6	2/6	2/8	2/10	3/2	3/6 "

787½—Skew Rabate, with Shifting Fence, 1½ inch, ... 3/10 "
788—Flooring Rabate, with Handle, ... 5/9 "
789—Side Rabate, ... 3/ "
790— " Shoulder Boxed, ... 4/6 "
791—Thumb or Modelling Rabate, Square, ⅝-inch, 2/ each; 792—Skew, 2/3 each; 793—Compass Sole, 2 3 "
T Rabate, *see* "Coachmakers' Tools."

COUNTER-CHECK PLANE.

792—Counter-Check, Bevelled, Shifting Fence, ... 4/9 each

PLOW GLASS CHECK PLANES.

793—Plow Glass Check, Wood Stop, ... 5/9 each
794— " " Screw Stop, ... 8/ "

If with Two Irons, 1/2 extra.

DRAWER BOTTOM PLANES.

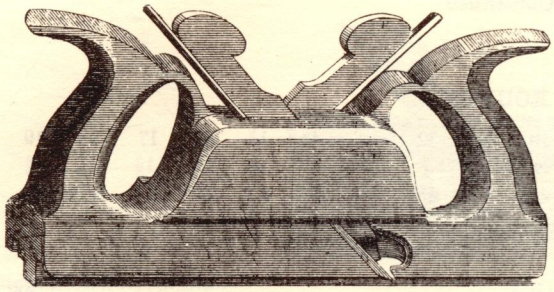
795—Drawer Bottom Plane, Right or Left Hand, ... 1 Iron, ... 2/6 each
796— " " Shifting Fence, ... 1 " ... 4/6 "
797— " " " Iron Plate, ... 1 " ... 5/ "
798— " " " " large size, 4 " ... 7/ "

Each extra Iron, 6d.

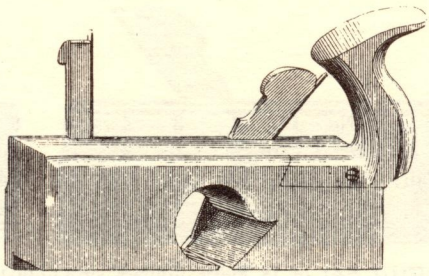
TABLE PLANES.

799—Table Planes, Hollow and Round, with Fence and Gauge, ... 6/ per pair

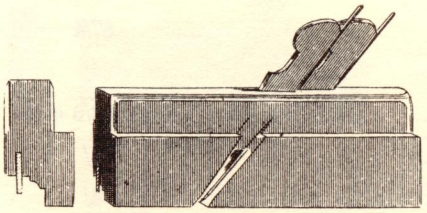
PLANES



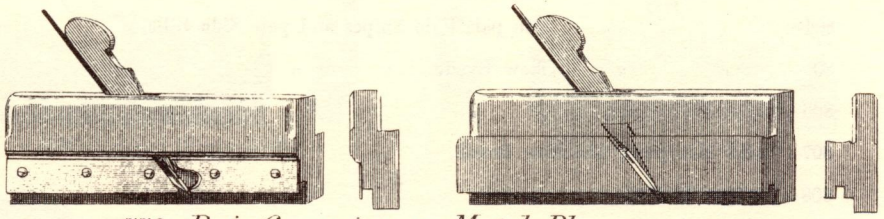
776 *Double Grooving Plane Solid Handles*



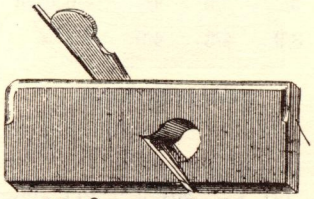
784 *Flooring Raglet*



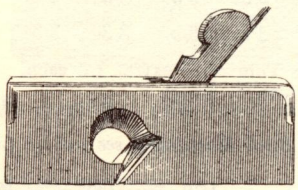
780 *French Grooving Plane*



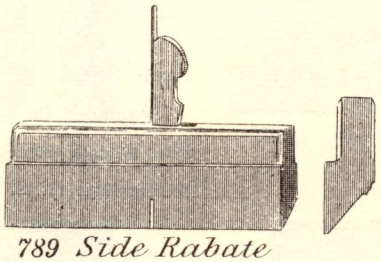
770 *Pair Grooving or Match Planes*



786 *Square Rabate*

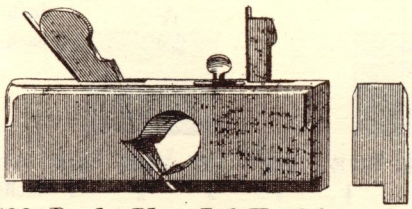


787 *Skew Rabate*

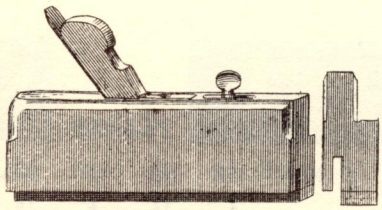


789 *Side Rabate*

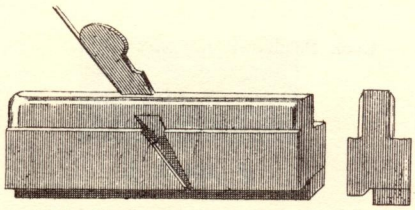
Thumb Rabate
791 *Plane*



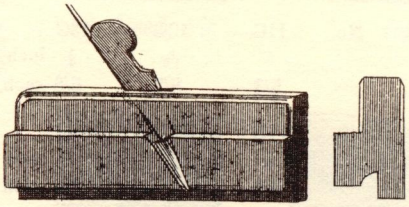
783 *Raglet Plane Left Hand Screw Stop*



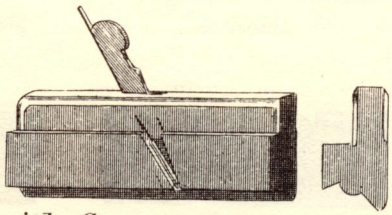
794 *Plow Glass Check Screw Stop*



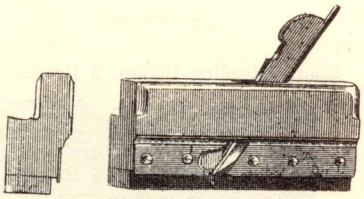
792 *Counter Check Plane*



799 *Pair Table Planes*



with Gauge



797 *Drawer Bottom Plane*
with Iron Plate

PLANES—*Continued.*

HOLLOWS and ROUNDS.

No.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
Size, ...	⅛ bare	⅛	3/16	¼	5/16	⅜	7/16	½	9/16	⅝	11/16	¾	⅞	1	1⅛	1¼	1⅜	1½	1⅝	1¾ inch
Per Pair, ...	4/4	4/4	4/4	4/4	4/4	4/4	4/4	4/4	4/4	4/4	4/4	4/4	4/6	4/6	4/9	5/	5/4	5/10	6/4	7/

Skew Eyed, per pair, extra, 9d.

No.		
800	Full Set of 18 Pairs, Joiners' or Cabinet, Nos. 1 to 18, ...	82/
801	" " " " " Skew Eyed, ...	95/6
802	Half Set of 9 Pairs, " " Nos. 1 to 17 odd, or Nos. 2 to 18, even Nos., ...	41/4
803	" " " " " " " " Skew Eyed, ...	48/
804	" " with pair Side Snipes and pair Side Bills, ...	57/4
805	" " Skew Eyed, " " "	64/
806	Side Rounds, ...	2/6 each
807	Side Snipes, Shoulder Boxed, ...	4/ "
808	Snipe Bills, "	4/ "

BEAD PLANES.

No.	11	12	13	14	15	16	17	18	19	20	21	21A	21B
	⅛	3/16	¼	5/16	⅜	7/16	½	⅝	¾	⅞	1	1⅛	1¼ inch
Bead Planes, Boxed, ...	2/6	2/6	2/6	2/6	2/6	2/6	2/6	2/8	2/10	3/	3/6	4/	4/6 each
" Slipped on Side,	3/3	3/3	3/3	3/3	3/3	3/3	3/3	3/6	3/8	3/9	4/3	4/9	5/3 "

Dovetailed Boxed, Single Thin Slip, extra, 1/6 each.

Bead Planes, per Set of 9, to ¾-inch, 23/; Slipped, 30/.

For Drawings of all sizes of Bead Mouldings, see end of List.

	15T	17T	18T	19T	20T	21T
	⅜	½	⅝	¾	⅞	1 inch
Toras Beads, ...	3/	3/	3/	3/3	3/6	3/9 each
" Slipped, ...	3/9	3/9	3/9	4/	4/3	4/6 "

	12C	13C
	3/16	¼ inch
Cock Beads, ...	2/9	2/9 each

REEDING PLANES.

No.	11E	12E	13E	14E	15E	17E	18E	19E	20E	21E
	⅛	3/16	¼	5/16	⅜	½	⅝	¾	⅞	1 inch
Centre Bead Planes, 1 Reed, ...	3/4	3/4	3/4	3/4	3/4	3/6	3/6	4/3	4/8	5/ each

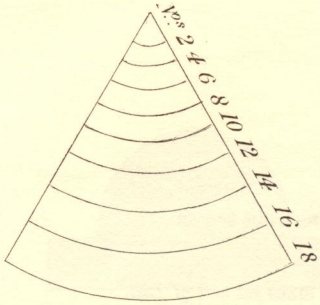
No.	11F	12F	13F
	⅛	3/16	¼ inch
Centre Reeding Planes, 2 Reeds, ...	5/	5/	5/3 each

No.	11G	12G	13G
	⅛	3/16	¼ inch
Centre Reeding Planes, 3 Reeds, ...	5/3	5/3	5/6 each

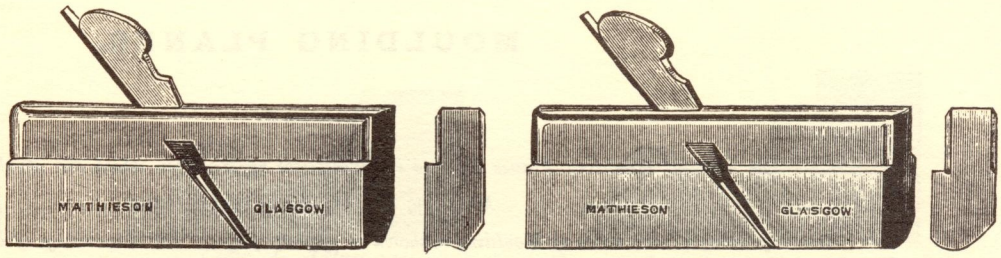
No.	11H	12H	13H
	⅛	3/16	¼ inch
Centre Reeding Planes, 4 Reeds, ...	6/9	7/	7/6 each

No.	13D	14D	15D	17D
	¼	5/16	⅜	½ inch
Side Reeding Planes, 2 Reeds, ...	3/3	3/6	3/9	4/ each

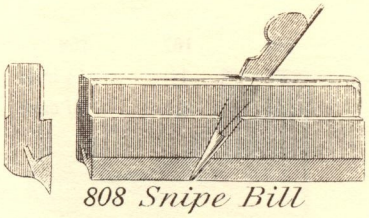
PLANES



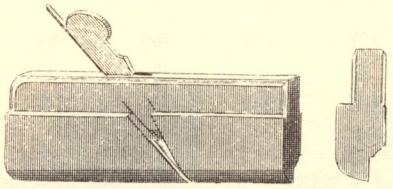
Curves for Hollows & Rounds



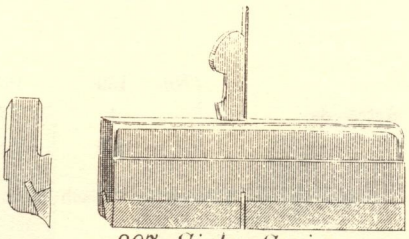
Pair Casements – Hollow and Round



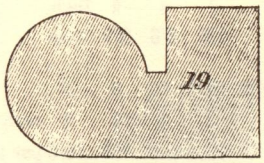
808 Snipe Bill



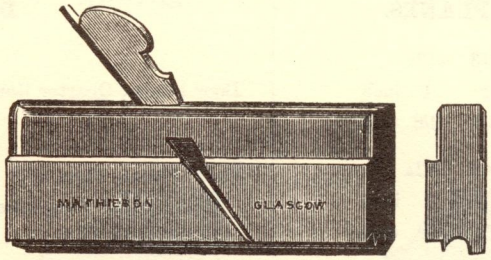
806 Side Round



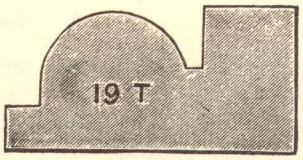
807 Side Snipe



Bead Moulding.

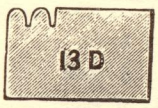


Bead Plane.

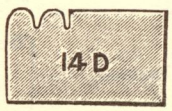


Toras Bead Moulding.

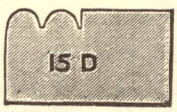
Double Side Reed Mouldings.



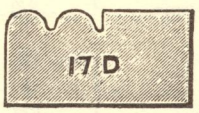
¼



5/16

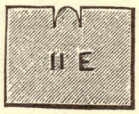


3/8

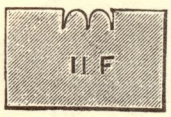


½

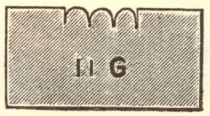
Centre Reed Mouldings.



1 Reed, ⅛

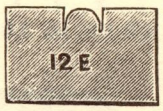


2 Reed, ⅛

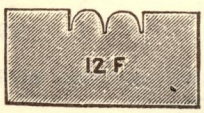


3 Reeds, ⅛

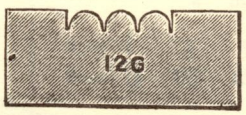
4 Reeds, ⅛



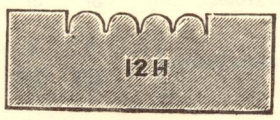
1 Reed, 3/16



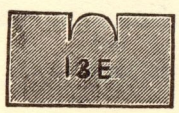
2 Reeds, 3/16



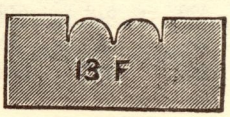
3 Reeds, 3/16



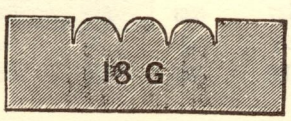
4 Reeds, 3/16



1 Reed, ¼



2 Reeds, ¼



3 Reeds, ¼

4 Reeds, ¼

MOULDING PLANES.

The Sizes of Moulding Planes refer to the Thickness of Wood on which the Moulding may be run.

Moulding Planes, Bench Mouth, extra.

An Engraving of each KIND *of Moulding is shown on opposite page. For Engravings of all* SIZES *see end of List.*

ASTRAGAL PLANES.

	No.	159	160	161	162	163	164	165	166	167	168	
Astragals, ...		¼	5/16	⅜	½	⅝	¾	⅞	1	1¼	1½	inch
		2/6	2/6	2/6	2/6	2/6	2/9	3/	3/3	4/	5/	each

Astragal Sash Planes, *see* "Sash Mouldings."

COVE, COVETTA, and SCOTIA PLANES.

	No.	210	211	212	213	213A	
Cove and Bead, ...		½	⅝	¾	⅞	1	inch
		4/	4/6	5/	5/6	6/6	each

	No.	206	205	204	203	203A	
Cove and Astragal, ...		½	⅝	¾	⅞	1	inch
		4/3	4/9	5/3	6/	7/	each

	No.	366	367	368	369A	
Cove and Astragal, Double Fillet, ...		⅝	¾	⅞	1	inch
One Iron, ...		5/3	5/9	6/3	7/3	each
Two Irons, ...		6/9	7/	7/6	8/6	"

	No.	25	24	23	22	22A	22B	
Covetta, ...		⅜	½	⅝	¾	⅞	1	inch
One Iron, ...		3/6	3/6	3/6	4/3	5/	5/9	each
Two Irons, ...		5/	5/	5/	5/9	6/6	7/3	"

	No.	361	362	363	364	365	
Covetta and Quirk Bead, ...		½	⅝	¾	⅞	1	inch
Two Irons, ...		6/	6/6	7/	7/6	8/	each
Three Irons, ...		7/6	8/	8/6	9/	9/6	"

	No.	29	28	27	26	
Covetta and Quarter Round, ...		⅜	½	⅝	¾	inch
One Iron, ...		3/6	3/6	3/6	4/	each
Two Irons, ...		5/	5/	5/	5/6	"

No. 809–Scotia Planes	⅜	½	⅝	¾	⅞	1	inch
	2/6	2/9	3/	3/3	3/6	4/	each

DOOR PLANES.

	No.	10	31	30	
Door Planes, Quarter Rounds, ...		⅜	½	⅝	inch
		2/6	2/6	2/9	each

	No.	8	7	6	5	
Door Planes, Ogee and Quarter Rounds and Templates, ...		⅜	½	⅝	¾	inch
Two Irons, ...		9/6	9/6	9/6	10/6	per pair

OVALO PLANES.

	No.	4	3	2	1	
Ovalo, Common, ...		⅜	½	⅝	¾	inch
		2/6	2/6	2/9	3/	each

	No.	55	54	53	52	51	50	49	48	
Ovalo, Grecian, ...		¼	⅜	½	⅝	¾	⅞	1	1⅛	inch
		3/3	3/3	3/3	3/6	3/9	4/3	4/9	5/6	each

	No.	87	86	85	84	83	82	81	80	
Ovalo, Grecian and Bead, ...		¼	⅜	½	⅝	¾	⅞	1	1⅛	inch
		4/	4/	4/3	4/6	4/9	5/3	7/	7/6	each

	No.	56	57	58	59	60	61	62	63	
Ovalo, Grecian and Astragal, ...		¼	⅜	½	⅝	¾	⅞	1	1⅛	inch
		3/9	4/	4/	4/3	4/9	5/3	5/9	7/	each

Ovalo Sash, *see* "Sash Mouldings."

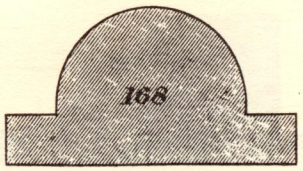
CABINET OGEE, CORNICE, or PICTURE FRAME MOULDINGS, Bench Mouth with Cast Steel Irons.

No.	526	529	527	523	522	521	520	519	519½	518	
	2	2¼	2½	2¾	3	3¼	3½	4	4½	5	inch
	10/	10/9	11/9	13/	15/	16/6	18/	20/6	24/6	29/	each

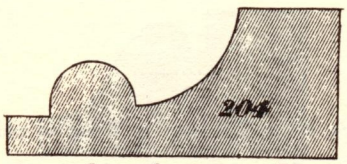
Chair Rail Plane, with Handle, and Shifting Fence, 1 Iron, No. 321, ... 8/3 each

" " " " " Bench Mouth. ... ... 11/ "

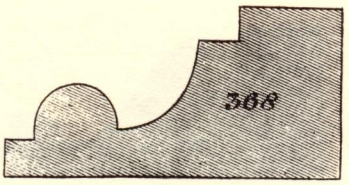
MOULDING PLANES



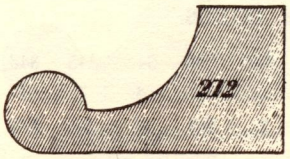
Astragal



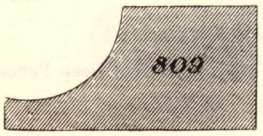
Cove & Astragal



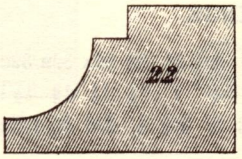
Cove & Astragal Double Fillet



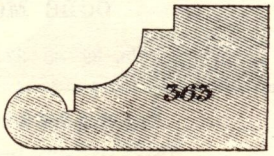
Bead & Cove



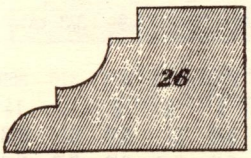
Scotia



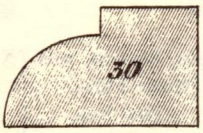
Covetta



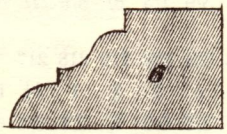
Covetta and
Quirked Bead



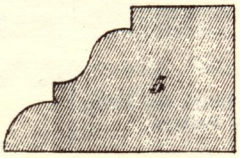
Covetta and
Quarter Round



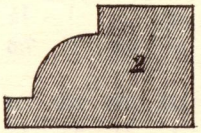
Door Plane
Quarter Round



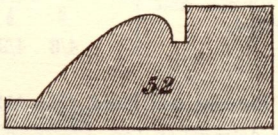
Door Plane
Ogee & Quarter Round



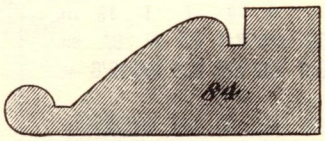
Door Plane
Ogee & Quarter Round



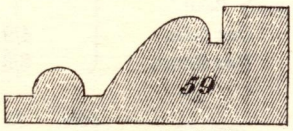
Ovalo



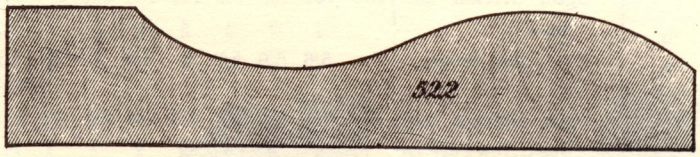
Grecian Ovalo



Grecian Ovalo
and Bead



Grecian Ovalo &
Astragal.



Cabinet Ogee

Chair Rail

MOULDING PLANES—*Continued.*

The Sizes of Moulding Planes refer to the Thickness of Wood on which the Moulding may be run.

Moulding Planes, Bench Mouth, extra Price.

An Engraving of each KIND *of Moulding is shown on opposite page.* *For Engravings of all* SIZES *see end of List.*

OGEE MOULDINGS.

Ogee, ...	No.	39	38	37	36	35	34	33	32	32A	32B	32C
		¼	⅜	½	⅝	¾	⅞	1	1⅛	1¼	1⅜	1½ in.
		2/4	2/4	2/4	2/4	2/8	3/	3/6	4/	4/6	5/	5/6 ea.

Ogee, Quirk, ...	No.	40	41	42	43	44	45	46	47
		¼	⅜	½	⅝	¾	⅞	1	1⅛ in.
		3/3	3/3	3/3	3/3	3/8	4/	4/8	5/4 ea.

Ogee, Quirk and Bead,	No.	72	73	74	75	76	77	78	79
		¼	⅜	½	⅝	¾	⅞	1	1⅛ in.
		3/6	3/6	3/6	3/9	4/3	5/	5/6	7/ ea.

Ogee, Quirk and Bead, New Pattern, ...	No.	224	223	222	221	220	219	218	217
		¼	⅜	½	⅝	¾	⅞	1	1⅛ in.
		4/3	4/6	5/	5/6	6/3	7/	7/6	8/6 ea.

Ogee and Quirk Bead,	No.	119	118	117	116	115	114	113	112
		¼	⅜	½	⅝	¾	⅞	1	1⅛ in.
One Iron, ...		4/9	4/9	5/3	5/9	6/3	6/9	7/6	8/ ea.
Two Irons. ...		6/3	6/3	6/9	7/3	7/9	8/3	9/	9/6 "

Ogee, Quirk, and Quirk Bead, ...	No.	120	121	122	123	124	125	126	127
		¼	⅜	½	⅝	¾	⅞	1	1⅛ in.
One Iron, ...		4/9	4/9	5/3	6/3	6/9	7/3	8/	9/ ea.
Two Irons, ...		6/3	6/3	6/9	7/9	8/3	8/9	9/6	10/6 "

Ogee, Quirk, and Astragal, ...	No.	71	70	69	68	67	66	65	64
		¼	⅜	½	⅝	¾	⅞	1	1⅛ in.
		4/3	4/3	4/6	4/9	5/6	6/6	7/3	8/ ea.

GRECIAN OGEES.

Ogee, Grecian, ...	No.	103	102	101	100	99	98	97	96	96A
		¼	⅜	½	⅝	¾	⅞	1	1⅛	1¼ in.
One Iron,		3/9	4/	4/3	4/6	4/9	5/3	5/6	7/	— a.
Two Irons,		4/6	5/	5/	5/	5/6	6/	6/6	8/	15/ "
										Bench ze.

Ogee, Grecian, New Pattern,	No.	240	239	238	237	236	235	234	233
		¼	⅜	½	⅝	¾	⅞	1	1' ..n.
One Iron,		4/	4/3	4/6	4/9	5/	5/6	6'	../6 ea.
Two Irons,		5/3	5/3	5/6	5/9	6/	6'	..	8/6 "

REVERSE OGEES.

Ogee, Reverse, Deep Fence,	No.	342	343	344	345	346
		½	⅝	¾	⅞	1 in.
		3/	3/6	4/	5/	5/6 ea.

Ogee, Reverse, with Fillet on Top, ...	No.	341	340	339
		½	⅝	¾ in.
Two Irons, ...		4/9	5/	5/3 ea.

Ogee, Reverse, with Fillet on Bottom, ...	No.	350	349	348	347
		⅝	¾	⅞	1 in.
		4/6	5/	5/9	6/3 ea.

Ogee, Reverse, with Double Fillet, ...	No.	372A	372B	372C	372	371	370	369
		⅜	½	⅝	¾	⅞	1	1⅛ in.
One Iron, ...		4/3	4/3	4/6	5/	5/6	6/	6/6 ea.
Two Irons, ...		5/3	5/3	5/6	6/3	6/9	7/3	7/9 "

Ogee, Reverse and Bead, ...	No.	351A	351B	351C	351	352A	352	353A	353
		⅜	½	⅝	¾	⅞	1	1⅛	1¼ in.
		4/9	5/3	5/9	6/3	6/6	7/	7/6	13/6 ea.
									Bench Size.

Ogee, Reverse and Astragal, ...	No.	382	383	384	385	386	387	388
		⅜	½	⅝	¾	⅞	1	1⅛ in.
		4/6	4/9	5/3	6/	6/6	7/	7/6 ea.

Ogee, Reverse and Bead, with Astragal on Top, ... Two Irons, ...	No.	133	132	131	130	129	128	
		¾	⅞	1	1⅛	1¼	1⅜	in.
		7/9	8/3	8/9	9/3	16/6	17/	ea.
							Bench Size.	

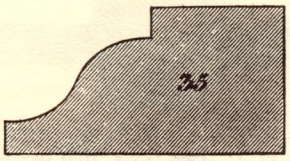
GRECIAN OGEE and BEAD.

Ogee, Grecian and Bead, ...	No.	104	105	106	107	108	109	110	111
		¼	⅜	½	⅝	¾	⅞	1	1⅛ in.
Two Irons, ...		5/6	5/6	5/9	6/	6/6	7/	8/	15/ ea.
									Bench Size.

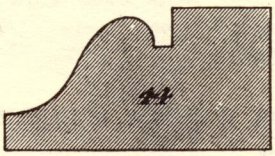
Ogee, Grecian and Bead, New Pattern Two Irons, ...	No.	241	242	243	244	245	246	247	248
		¼	⅜	½	⅝	¾	⅞	1	1⅛ in.
		5/6	5/6	6/	6/6	7/	8/	9/	16/ ea.
									Bench Size.

Ogee, Sash, *see* "Sash Mouldings."

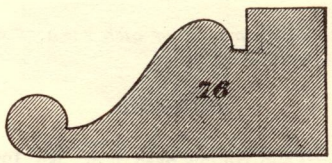
MOULDING PLANES



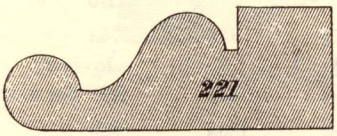
Ogee



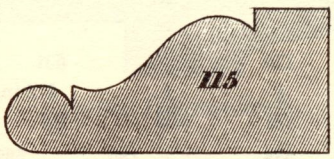
Quirk Ogee



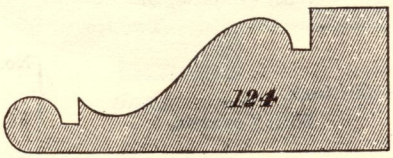
Quirk Ogee & Bead



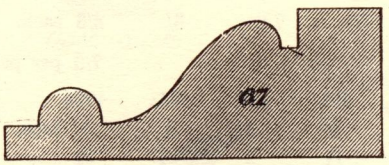
Quirk Ogee & Bead
new pattern.



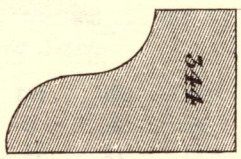
Ogee and Quirked Bead



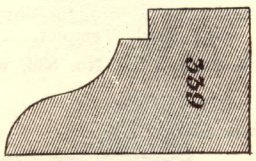
Quirk Ogee
and Quirked Bead



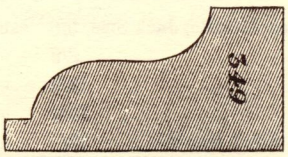
Quirk Ogee
and Astragal



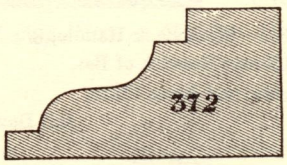
Reverse Ogee



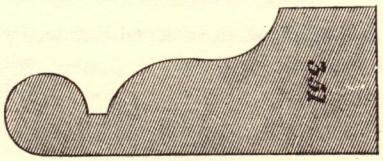
Reverse Ogee with Fillet
on Top



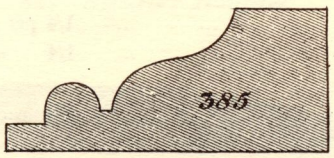
Reverse Ogee with Fillet
on Bottom



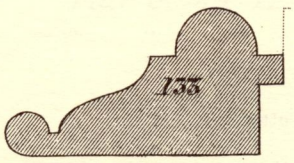
Reverse Ogee with
Double Fillet



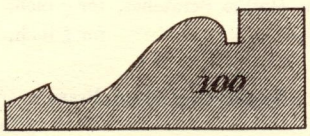
Reverse Ogee and Bead



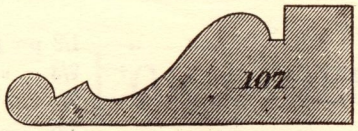
Reverse Ogee & Astragal



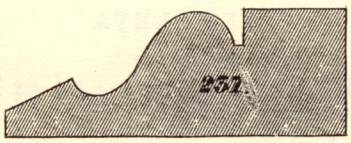
Reverse Ogee and Bead
with Astragal on Top



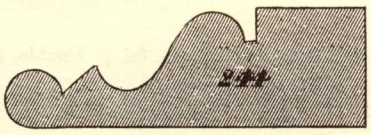
Grecian Ogee



Grecian Ogee and Bead



Grecian Ogee
new pattern.



Grecian Ogee & Bead
new pattern.

MOULDING PLANES—*Continued.*

The Sizes of Moulding Planes refer to the Thickness of Wood on which the Moulding is to be run.
Moulding Planes, Bench Mouth, extra Price.
An Engraving of each KIND *of Moulding is shown on opposite page. For Engravings of all* SIZES *see end of List.*

SASH OR WINDOW MOULDINGS.

Astragal and Hollow Sash, $\frac{5}{8}$ in., No. 192, with Templets, ... One Iron, 8/ ; Two Irons, 10/9 per pair.
Astragal and Quirk Hollow, No. 539, with Templets, ... " 8/6 ; " 11/6 "

Astragal and Scotia Sash,	No.	393	392	187	
		$\frac{5}{8}$	$\frac{3}{4}$	$\frac{3}{4}$	inch.
With Templets, One Iron, ...		10/	11/	8/6	per pair.
" Two Irons, ...		13/	14/	11/6	"

Gothic Sash,	No.	537	179	178	531	177	176	176A	
		$\frac{3}{8}$	$\frac{1}{2}$	$\frac{5}{8}$	$\frac{5}{8}$ 2 in. bar,	$\frac{3}{4}$	$\frac{7}{8}$	1	inch.
With Templets, ...		7/6	7/6	7/6	7/6	7/6	8/6	9/6	per pair.

Lambtongue Sash,	No.	184	533	185	532	186	186A	186B	
		$\frac{1}{2}$	$\frac{9}{16}$ $1\frac{3}{4}$ in. bar,	$\frac{5}{8}$	$\frac{5}{8}$ 2 in. bar,	$\frac{3}{4}$	$\frac{7}{8}$	1	inch.
With Templets, ...		7/6	7/6	7/6	7/6	7/9	8/6	9/6	per pair.

	No.	833	834	835	836	837	838	839	840	
		$1\frac{1}{8}$	$1\frac{1}{4}$	$1\frac{3}{8}$	$1\frac{1}{2}$	$1\frac{5}{8}$	$1\frac{3}{4}$	$1\frac{7}{8}$	2	inch.
Lambtongue Planes, for Shop Window Sashes, with Single Templet, ...		5/6	5/9	6/	6/6	7/	7/6	8/	8/6	each.

Ogee Sash, $\frac{5}{8}$ in., No. 536, with Templets, ... 7/6 per pair.

Ovalo Sash,	No.	534½	534	535	403	404	405	401	402	402A	402B	
		$\frac{1}{2}$	$\frac{9}{16}$	$\frac{9}{16}$	$\frac{5}{8}$	$\frac{5}{8}$	$\frac{5}{8}$	$\frac{3}{4}$	$\frac{3}{4}$	$\frac{7}{8}$	1	inch.
Breadth of Bar, ...		$1\frac{3}{4}$	$1\frac{3}{4}$	$1\frac{1}{2}$	$1\frac{1}{2}$	$1\frac{3}{4}$	2	$1\frac{3}{4}$	2	$2\frac{1}{4}$	$2\frac{1}{4}$	"
With Templets, ...		7/	7/	7/	7/	7/	7/6	7/6	7/9	8/6	9/6	per pair.

Rustic Sash,	No.	188	189	190	538	391	390	389	
		$\frac{1}{2}$	$\frac{5}{8}$	$\frac{5}{8}$	$\frac{5}{8}$	$\frac{3}{4}$	$\frac{7}{8}$	1	inch.
With Templets, ...		7/6	7/6	7/6	7/6	8/6	10/6	11/	per pair.

No.
810—Sash Plane, to Stick and Rabate, Two Irons, 6/ ; 811—With Back Handle, 8/ ; 812—With Back Handle, Jack Size, 9/6 each.
813— " " " with Screw for different Breadth of Bar, ... 8/9 "
814— " " " Self-regulating Screw and Brass Plate, ... 12/6 "
815— " " " " " " full Dovetailed Boxed, ... 18/6 "
816— " " " " " " " " Solid Handle, ... 22/ "

817—Scribing or Sash Copeing Plane, for Gothic ; or, 818, for Ovalo, ... 2/9 "
819— " " for Lambtongue, ... 3/3 "

820—Handled Scribing Gouges, with Stop, for Gothic ; or, 821, for Ovalo, ... 2/3 "
822— " " " for Lambtongue, ... 4/6 "

177S—Gothic Scratches, for $\frac{3}{4}$ inch, ... 1/4 per pair.
178S— " for $\frac{5}{8}$ inch, ... 1/4 "

841—Shouldering Plane, Brass or Iron Plate and Cutter, ... 6/6 each.

SASH SHAVES.

824—Sash Shaves, Iron, Gothic, $\frac{1}{2}$, $\frac{5}{8}$, or $\frac{3}{4}$ inch, with Two Irons, ... 3/4 each.
825— " " Ovalo, $\frac{1}{2}$, $\frac{9}{16}$, $\frac{5}{8}$, or $\frac{3}{4}$ inch, " " ... ... 3/4 "
826— " " Lambtongue, $\frac{1}{2}$, $\frac{9}{16}$, $\frac{5}{8}$, or $\frac{3}{4}$ inch, " " ... ... 3/4 "

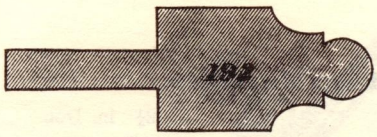
TEMPLETS.

— Templets—Single, 6d. ; Double, 9d. each. Single and Double, ... 1/3 per pair.
— " Screwed, ... 2/3 "
— " Faced with Brass, for Ovalo and Gothic, ... 7/ "
— " " " " Lambtongue, ... 7/6 "

827— " Square, ... /6 each.

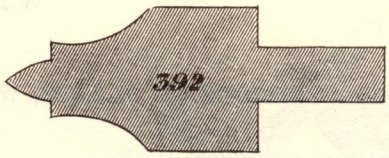
For Coachmakers' Planes, see Coachmakers' Tools.
For Coopers' Planes, see Coopers' Tools.

MOULDING PLANES

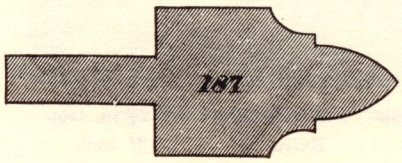


Astragal & Hollow Sash

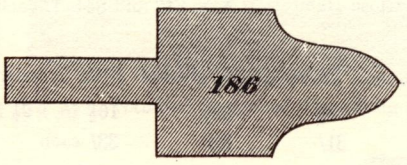
Astragal & Quirk Hollow



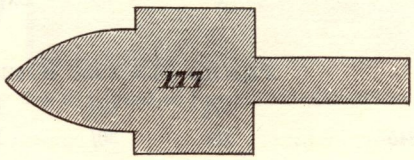
Astragal & Scotia Sash



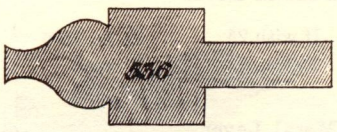
Astragal & Scotia Sash



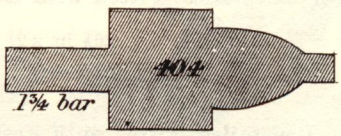
Lamb Tongue Sash



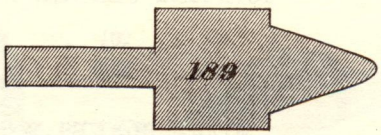
Gothic Sash



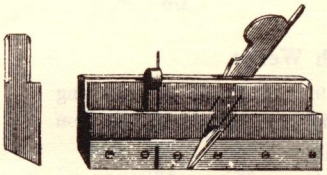
Ogee Sash



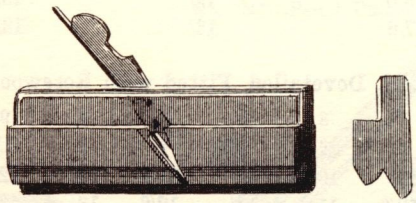
Ovalo Sash



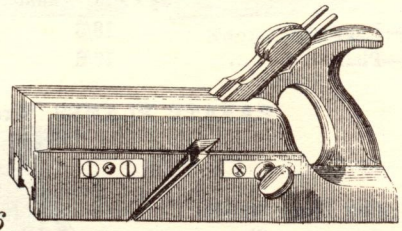
Rustic Sash



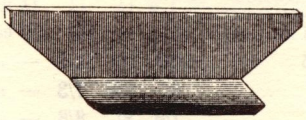
841 *Shouldering Plane*



817 *Scribing Plane. Gothic*

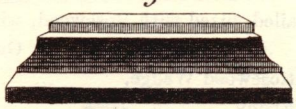


816
Sash Plane to Stick and rabbate with Selfregulating Screw and solid handle

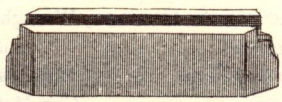


827 *Square Templet*

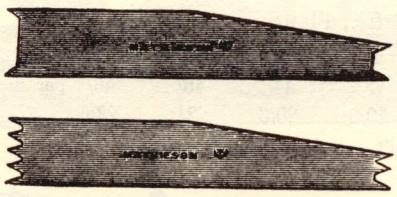
Single



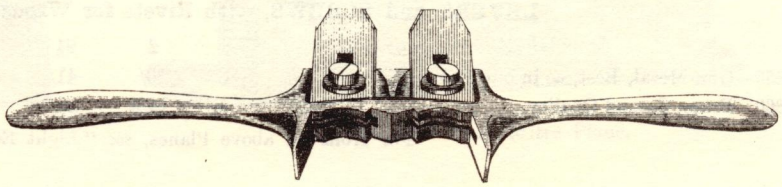
Double



Pair Gothic Templets Single & Double



177s *Pair of Gothic Scratches.*



824 *Sash Shave (Iron) for Gothic.*

FOR OTHER DRAWINGS OF MOULDINGS SEE END OF LIST.

WROUGHT STEEL PLANES.

SMOOTHING PLANES, Wrought Steel, Dovetailed, Fitted with Rosewood, Gun Metal Lever.

	1¾	2	2⅛	2¼	in. Iron
842—Improved, without Handle, ...	18/6	19/	19/	19/6	each
843— " with "	20/6	21/	21/	21/6	"
844—Parallel Sides, with "	20/6	21/	21/	21/6	"

EXTRA.—Close Handle, to Nos. 843 and 844, 1/ each.

PANEL PLANES, Wrought Steel, Dovetailed, Fitted with Rosewood, Gun Metal Lever.

	11½	12½	13½	14½	15½	16½ in. × 2½ in. Iron	If with 2⅝	2¾ in. Iron
845— ...	30/	30/	30/	31/	32/	33/ each	Extra 1/	2/ each

NOTE.—11½ to 13½ in. have flush ends, as illustrated; on 14½ to 16½ in. face projects back and front, as shown in Jointing Planes.

JOINTING PLANES, Wrought Steel, Dovetailed, Fitted with Rosewood, Gun-Metal Lever.

	20½	22½	24½	26½ in. × 2½ in. Iron	If with 2⅝	2¾ in. Iron
846—	35/6	37/6	39/6	42/6 each	Extra, 1/	2/ each

MITRE PLANES, Wrought Steel, Dovetailed, Fitted with Rosewood, Gun-Metal Lever.

	8½ × 2 in. or under	10½ × 2¼	10½ × 2⅝	10½ × 2½ in. Iron	If with Skew Mouth
847—Improved, ...	18/6	18/6	19/	19/6 each	1/6 extra
848—Plain, ...	16/6	17/6	18/	18/6 "	1/6 "

RABATE PLANES, Wrought Steel, Dovetailed, Fitted with Rosewood, with Wedge.

	6	7	8	9	9	9	9	9	9	9	in. long
	⅜ or ½	⅝	¾	⅞	⅞	1	1⅛	1¼	1½	1¾	in. Iron
849—One Iron, Square, ...	9/6	10/	10/6	11/	11/6	12/	12/6	13/	14/	15/	each
850— " Skew, ...	10/	10/6	11/6	12/	12/6	13/	13/6	14/	15/	16/	"
851—Two Irons, Square, ...	14/6	14/6	14/6	14/6	15/	15/6	16/	16/6	17/6	—	"
852— " Skew, ...	15/6	15/6	16/6	16/6	17/	17/6	18/	18/6	19/6	—	"

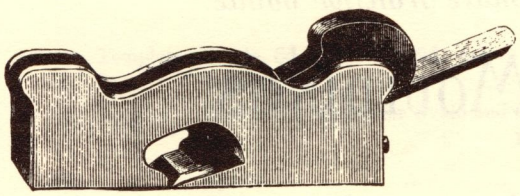
SHOULDER, THUMB, CHARIOT, and BULL-NOSE PLANES.

	1	1⅛	1¼	1½ in.
853—Shoulder Planes, Wrought Steel, Dovetailed, fitted with Rosewood, with Wedge, 8 in. long,	15/	—	16/	17/ ea.
854—Thumb " " " " " Gun-Metal Lever, 5 "	10/6	11/	11/6	— "
855—Bull-Nose " Mall. Cast Iron, with Rosewood Wedge, ...	6/	6/6	7/3	— "
856— " " Gun-Metal, " Ebony "	7/6	8/	8/6	— "
857—Chariot " Mall. Cast Iron, " Wedge, ...	—	7/	—	— "
858— " " Gun-Metal, " "	—	8/	—	— "

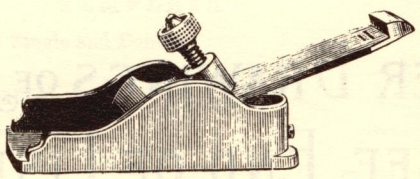
LEVERS and SCREWS, with Rivets for Wrought Steel, &c., Planes.

	2	2⅛	2¼	2⅜	2½	2⅝	2¾	inch
859—Gun-Metal, Best, as in our Planes, ...	40/	41/	42/	43/	44/	45/	46/	per doz.
860—Brass, Second Quality, ...	14/6	16/	17/6	19/6	20/6	22/	23/6	"

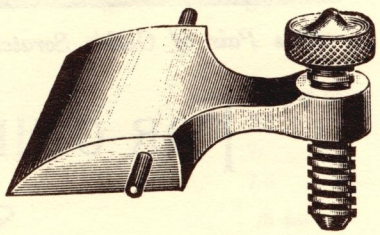
For Irons for above Planes, *see* "Light Edge Tools."



No. 853—Shoulder Plane.



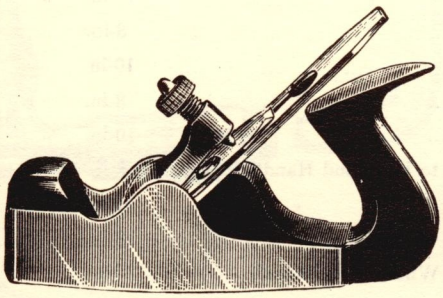
No. 854—Thumb Plane.



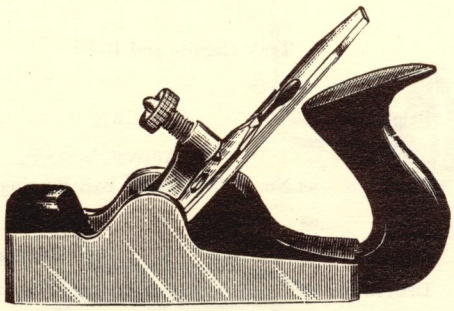
No. 859—Gun-Metal Lever.

WROUGHT STEEL PLANES.

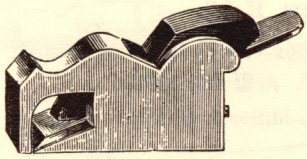
No. 842—Improved Smoothing Plane.



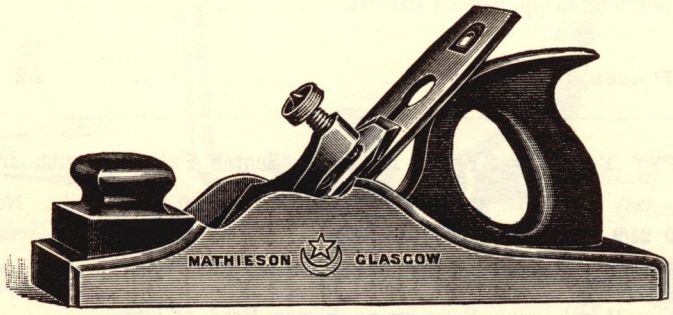
No. 843—Handled Improved Smoothing Plane.



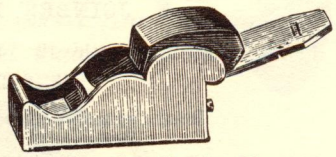
No. 844—Handled Parallel Side Smoothing Plane.



No. 855—Bull-Nose Plane.



No. 845—Panel Plane.

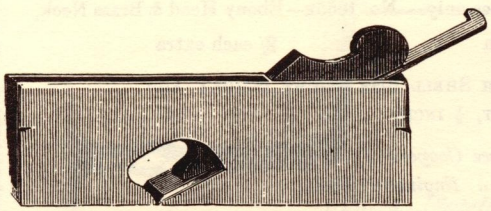


No. 857—Chariot Plane.

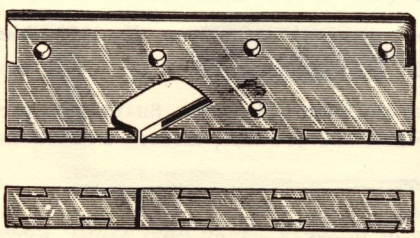
No. 846—Jointing Plane.

No. 847—Improved Mitre Plane.

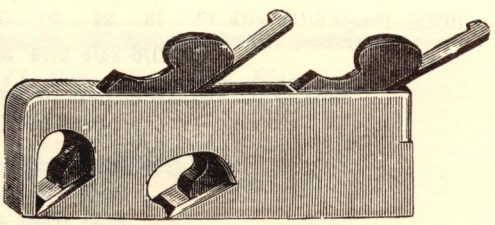
No. 848—Plain Mitre Plane.



No. 849—Rabate, One Iron.



Side and Face of Rabate Plane (unfinished), shewing the method our Wrought-Steel Planes are made.



No. 851—Rabate, Two Irons.

AMERICAN PATTERN BRACES, with Adjustable Bit Holder.

Sweeps and Jaws made from Forged Steel.

		With Ratchet.	Without Ratchet.
Nickel Plated, Rosewood Handle, Lignum Head, Ball Bearings to Head,	8-in. sweep,	No. 108, 10/6 each	No. 408, 8/ each
" " " " " "	10-in. "	" 110, 11/ "	" 410, 8/6 "
" Teak Handle and Head, ...	8-in. "	" 208, 8/2 "	" 508, 4/6 "
" " "	10-in. "	" 210, 8/6 "	" 510, 4/10 "
Bright " "	8-in. "	" 308, 6/8 "	" 608, 3/2 "
" " "	10-in. "	" 310, 7/ "	" 610, 3/6 "
Brace, as No. 108, but with Ball Bearings to Head and Handle, ...	8-in. "	" 81, 15/6 "	— —
" as " 110, " " " " ...	10-in. "	" 101, 16/ "	— —
" as " 110, " Ball Bearings throughout, ...	10-in. "	" 10, 17/ "	— —
Drill Brace, as " 110, with Removable Bevel Wheel Attachment, ...	10-in. "	" 120, 19/ "	— —

No. 115—Brace Jaws, ... 1/ per pair

" 29—Brace, Bright, Unstamped, 9-in. sweep, without Ratchet, ... 2/ each

	12	18	24 in. long
" 114—Brace Extension Pieces, ...	2/2	2/6	3/ each

JOINERS' BEST FORGED STEEL BRACES (Scotch Pattern), with Lignum Heads.

No.	12	18	24	30	36	42	48 Best C.S. Bits.	No. 1050—Braces only.	No. 1050E—Ebony Head & Brass Neck.
1050B—Braces fitted with	18/10	21/9	24/9	27/9	31/9	34/	38/ each.	12/6 each	2/ each extra.

Braces with Set of 30 Bits and upwards include 1 Double Spur Screw Bit, ½ inch; if with ⅝ and ⅝ additional, 4/ extra.

1051 —Best Forged Steel Coach Braces, 4½ inch Crank, Extra Strong, Lignum Head, no Bits, ... 14/ each

1051B— " " " 4½ " " " " with Coach Set of 36 Bits, ... 34/9 "

JOINERS' IRON BRACES (Scotch Pattern), Second Quality, Unstamped.

	12	18	24	30	36 Best C.S. Bits.	No. 1052—Braces only,
1052B—Braces, with Lignum Heads, fitted with	13/6	16/6	20/	24/	28/ each	6/9 each

SPLIT SOCKET BRACES.

"Colonial" Pattern. Iron Head.

Sweep, ...	8	10	12	14 inch
No. 1053, ...	4/	4/3	4/6	5/ each

WAGGON BUILDERS' BRACES.

Bright Finished, with Lignum Head.

Size of Crank,	5	5½	6	6½ & 7	8	9 inch
No. 116, ...	8/	8/3	8/6	9/	9/6	10/6 each

PLATELAYERS' BRACES, with Iron Head.

No.

1056A—Platelayers' Brace, with Iron Head, and with ⅝ or ¾ in. Auger, Welded, ... 13/6 each

1056 — " " " " without Auger, ... 11/6 "

WOOD BRACES.

BEST WOOD BRACES, with Lignum Heads.

No.	12	18	24	30	36	42	48 Best C.S. Bits.	No. 1054—Braces only,	No. 1054E—Ebony Head & Brass Neck,
1054B—Braces fitted with	14/8	17/6	20/4	23/4	27/	29/6	35/ each	9/ each	2/ each extra

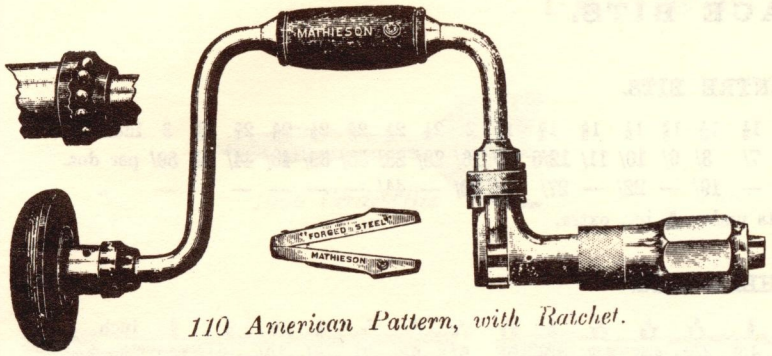
BEST PLATED WOOD BRACES, with Lignum Heads.

	12	18	24	30	36	42	48 Best C.S. Bits.	No. 1055—Braces only.	No. 1055E—Ebony Head & Brass Neck,
1055B—Braces fitted with	18/8	21/6	24/4	27/4	31/	33/6	39/ each	13/ each	2/ each extra

NOTE.—ALL THE ABOVE SETS OF BITS ARE BEST C.S. BLACK, SHARPENED, WITH SHELL BITS BRIGHT INSIDE; AND SETS OF 30 BITS AND UPWARDS, INCLUDE 1 SCREW BIT, ½ INCH.

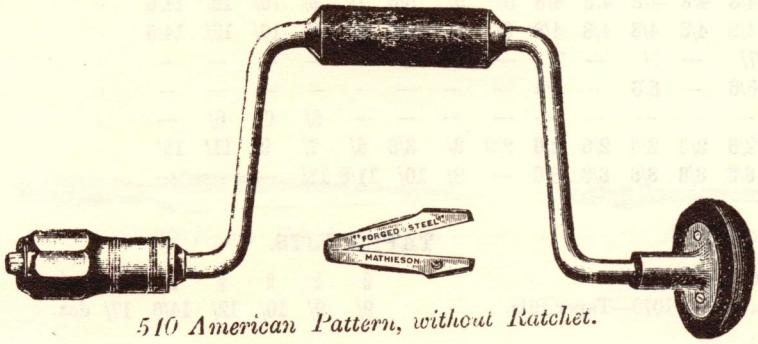
For Coopers' Braces, ... *see Coopers' Tools.*
" *Smiths' Braces,* ... ... " *Engineers' Tools.*
" *Bevil Wheel Drill Braces,* ... ... " " "
" *Ratchet Braces,* ... ... " " "

BRACES

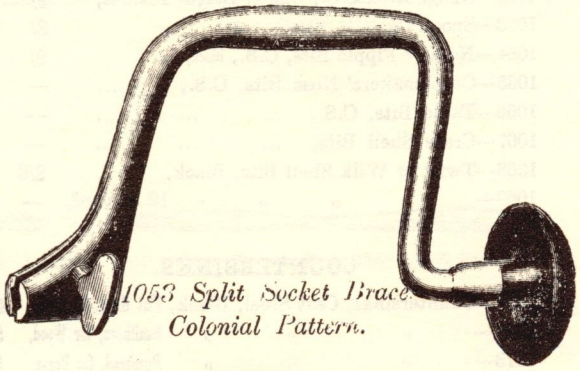


110 American Pattern, with Ratchet.

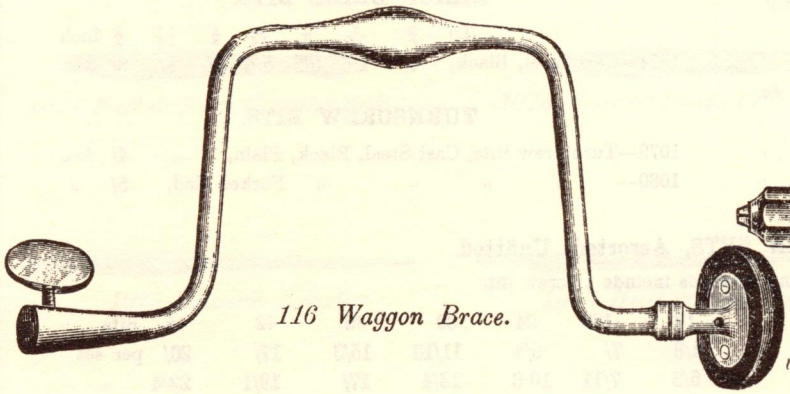
1050
Best Forged Steel
Scotch Pattern



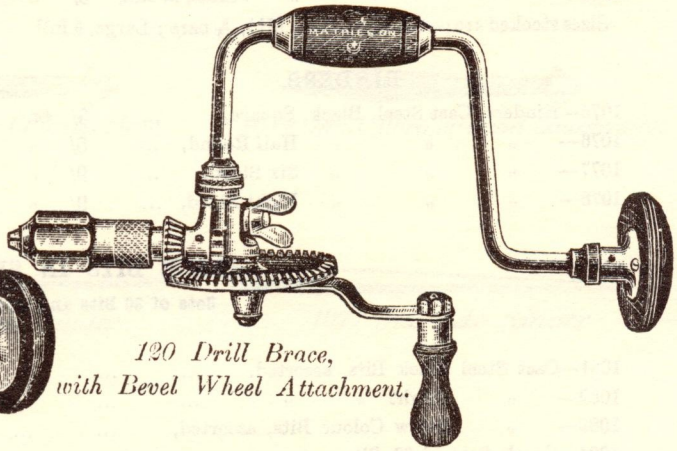
510 American Pattern, without Ratchet.



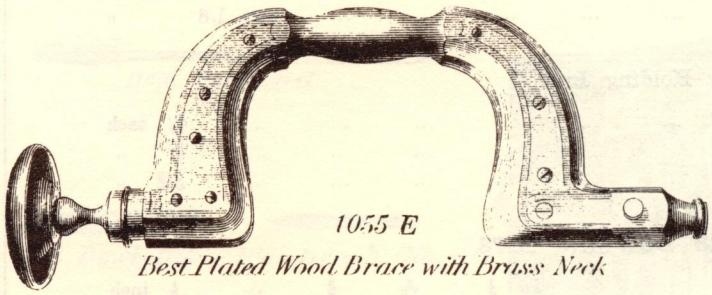
1053 Split Socket Brace
Colonial Pattern.



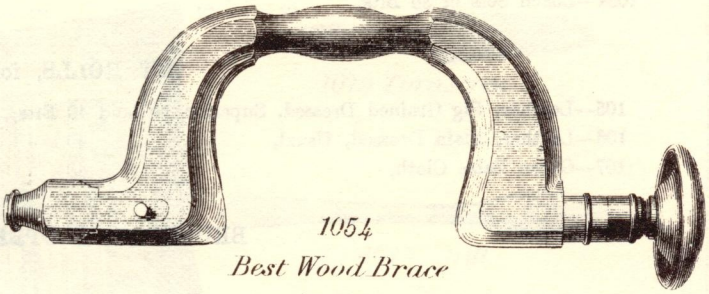
116 Waggon Brace.



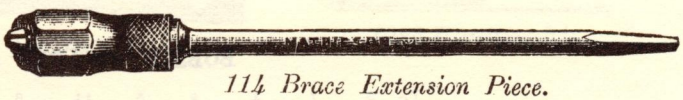
120 Drill Brace,
with Bevel Wheel Attachment.



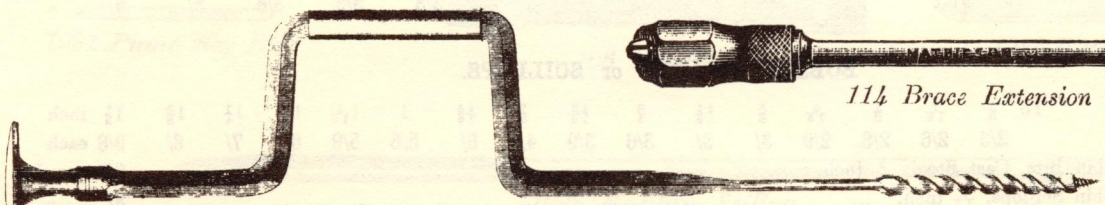
1055 E
Best Plated Wood Brace with Brass Neck



1054
Best Wood Brace



114 Brace Extension Piece.



1056 A Platelayers Brace with Auger Welded.

BRACE BITS.

CENTRE BITS.

	3/16 to 3/8	7/16	1/2	5/8	3/4	7/8	1	1 1/8	1 1/4	1 3/8	1 1/2	1 5/8	1 3/4	1 7/8	2	2 1/8	2 1/4	2 3/8	2 1/2	2 5/8	2 3/4	2 7/8	3	inch.
1060—C.S., Black, ...	4/	4/6	4/6	4/9	5/	5/6	6/	7/	8/	9/	10/	11/	12/6	14/	16/	28/	28/	35/	39/	43/	44/	52/	59/	per doz.
1061—With Screwed Points,	—	—	—	—	—	—	—	—	19/	—	22/	—	27/	—	32/	—	44/	—	—	—	—	—	—	"

Centre Bits under 3/16 in., extra.

SHELL BITS.

	1/16	3/32	1/8	5/32	3/16	7/32	1/4	9/32	5/16	3/8	7/16	1/2	9/16	5/8	3/4	inch
1062—Gouge Bits, C.S., Black, Bright Insides,	9/	9/	4/8	4/8	4/8	4/8	4/8	5/	5/	5/6	7/	8/	10/	12/	14/6	per doz.
1063—Spoon " " " "	9/	9/	4/8	4/8	4/8	4/8	4/8	5/	5/	5/6	7/	8/	10/	12/	14/6	"
1064—Nose or Fipple Bits, C.S., Black, "	9/	9/	4/8	4/8	4/8	4/8	4/8	5/	5/	5/6	7/	8/	10/	12/	14/6	"
1065—Coachmakers' Nose Bits, C.S., ...	—	—	7/	—	7/	—	7/	—	7/6	8/	—	—	—	—	—	"
1066—Table Bits, C.S., ...	—	—	5/6	—	5/6	—	5/6	—	—	—	—	—	—	—	—	"
1067—Crate Shell Bits, ...	—	—	—	—	—	—	—	—	—	—	—	6/	6/	6/	—	"
1068—Twist or Wilk Shell Bits, Black, ...	2/6	2/6	2/6	2/6	2/6	2/6	2/6	2/9	3/	3/6	5/	7/	9/	11/	16/	"
1069— " " " " 12 in. overall,	—	—	8/6	8/6	8/6	8/6	8/6	—	9/	10/	11/6	13/	—	—	—	"

COUNTERSINKS.

1071—Countersinks, Cast Steel, Black, Flat Head, for Iron, 4/6 doz.
1072— " " " Snailhorn, for Wood, 5/ "
1073— " " " Rosehead, for Brass, 5/ "

Sizes stocked are:—Small, 7/16 full; Mid, 9/16 bare; Large, 5/8 full.

RINDERS.

1075—Rinders, Cast Steel, Black, Square, ... 5/ doz.
1076— " " " Half Round, ... 5/ "
1077— " " " Six Sided, ... 9/ "
1078— " " " Eight Sided, ... 9/ "

TAPER BITS.

	3/8	1/2	5/8	3/4	7/8	1	inch
1070—Taper Bits, ...	9/	9/	10/	12/	14/6	17/	doz.

BRACE DRILL BITS.

	To 3/8	7/16	1/2	9/16	5/8	11/16	3/4	inch
1074—Cast Steel, Black,	4/	4/6	5/3	5/6	6/	8/	8/	doz.

TURNSCREW BITS.

1079—Turnscrew Bits, Cast Steel, Black, Plain, ... 4/ doz.
1080— " " " " Forked End, 5/ "

BRACE BITS IN SETS, Assorted, Unfitted.

Sets of 30 Bits and upwards include 1 Screw Bit.

	12	18	24	30	36	42	48	Bits
1081—Cast Steel Black Bits, assorted, ...	4/8	7/	9/4	11/10	15/3	17/	20/	per set
1082— " Bright " "	5/3	7/11	10/6	13/4	17/	19/1	22/4	"
1083— " Straw Colour Bits, assorted, ...	5/11	8/11	11/10	15/	19/	21/5	25/	"
1084—Coach Sets of 36 Bits, ...	...	...	...	...	...	extra 1/6		"

BIT ROLLS, for Holding Bits.

105—Leather, Pig Grained Dressed, Superior, to hold 40 Bits, ... 7/ each
106—Leather, Plain Dressed, Usual, " 40 " ... ... 4/ "
107—Green Baize Cloth, " 48 " ... ... 3/2 "

BRUSH and COOPERS' DOWLING BITS.

	To 1/4	5/16	3/8	7/16	1/2	inch
1085—Brushmakers' Cast Steel Black Flat Tanged Bits, ...	4/	5/	6/	7/	7/6	per doz.
1086—Coopers' Cast Steel Black Square Tanged Dowling Bits, ...	3/3	3/3	3/6	4/6	5/	"
1087— " " " Flat " "	3/3	3/3	3/6	5/	5/	"

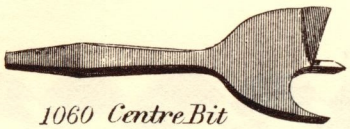
BOBBIN SWARFS or SCILLOPS.

	To 3/8	7/16	1/2	9/16	5/8	11/16	3/4	13/16	7/8	15/16	1	1 1/16	1 1/8	1 1/4	1 3/8	1 1/2	inch
1088—	2/3	2/6	2/6	2/9	3/	3/	3/6	3/9	4/3	5/	5/6	5/9	6/	7/	8/	9/6	each
1089—Machine Bobbin Bits, Cast Steel, 9/32 inch, ...																6/6	per doz.
1090—Machine Bobbin Scillops, 5/16 inch, ...																8/	"

Machine, Taper, and Equalizing Bits, to order.

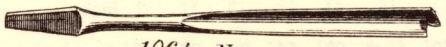
1091—Pianoforte Key Bits, Bright, Gauged to Size, ... 5/ per doz.

BRACE BITS



1060 Centre Bit

1061 Screwpoint Centre Bit



1064 Nose

1063 Spoon

1062 Gouge

1070 Taper Bit or Scillop

Half Spoon

1068 Twisted or Wilk Shell Bit

1071 Flat or Iron Countersink

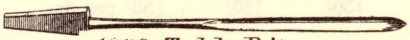
1073 Rose or Brass Countersink

1072 Snail Horn or wood Countersink

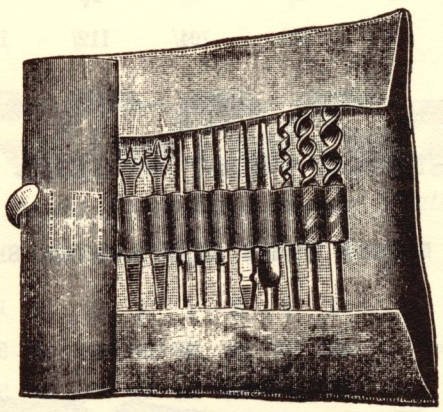
1075 Square Rinder

1076 Half round Rinder

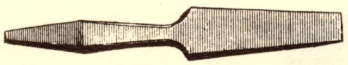
1077 Six side Rinder



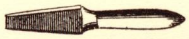
1066 Table Bit



106 Bit Roll.

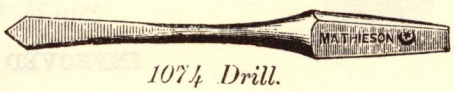


1079 Turnscrew



1086 Dowl Bit

1085 Brush Bit



1074 Drill.

1091 Piano Key Bit

1089 Bobbin Bit

1088 Bobbin Scillop

SCREW AUGERS.

DOUBLE TWIST BRIGHT SCREW AUGERS (Scotch Pattern).

With Long Shanks, and Eyed, Single or Double Thread Points.

No.	1/4	5/16	3/8	7/16	1/2	9/16	5/8	11/16	3/4	13/16	7/8	1	1 1/8	1 1/4	1 3/8	1 1/2	1 5/8	1 3/4	1 7/8	2 inch
1120— ...	23/	23/	23/	23/	23/	26/	26/	31/6	31/6	34/6	34/6	39/	43/6	50/	53/6	60/	64/	72/	77/	85/ per doz.

For Sizes above 2 inch see below.

Augers, with extra Long Twist, to order.

DOUBLE TWIST BRIGHT SCREW AUGERS (Scotch Pattern).

With Short Shanks, not Eyed, Single or Double Thread Points.

	1/4	5/16	3/8	7/16	1/2	9/16	5/8	11/16	3/4	13/16	7/8	1	1 1/8	1 1/4	1 3/8	1 1/2	1 5/8	1 3/4	1 7/8	2 inch.
1121—	19/	19/	19/	19/	19/	21/6	21/6	25/6	25/6	28/6	28/6	32/	36/	41/	45/	51/	56/	62/6	66/	71/ per doz.

1122—Tanged Augers, same prices as Short Shank.

DOUBLE TWIST BRIGHT SCREW AUGERS, with Concave Mouth.

1123—**Eyed.** 1124—**Not Eyed.** PRICES SAME AS ABOVE.

DOUBLE TWIST BRIGHT SCREW AUGERS (Scotch Pattern).

Large Size (above 2 Inches), with Long Shanks, and Eyed.

	2 1/8	2 1/4	2 3/8	2 1/2	2 5/8	2 3/4	2 7/8	3 inch
1120—	90/	96/	104/	112/	120/	130/	140/	150/ per doz.

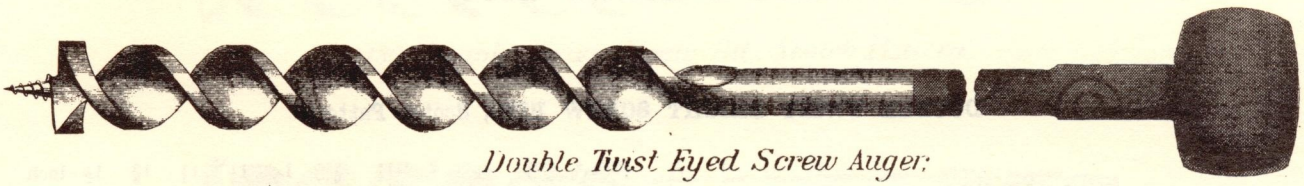
SINGLE TWIST AUGERS.

IMPROVED SINGLE TWIST SHIP AUGERS, Shell Mouth.

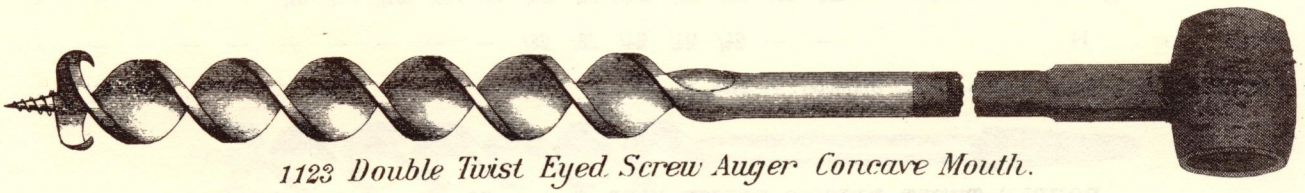
	3/8	1/2	5/8	3/4	7/8	1	1 1/8	1 1/4	1 3/8	1 1/2	1 5/8	1 3/4	1 7/8	2 inch
1125— 9 inch Twist, Short Shank, not Eyed,	27/	28/	31/	36/	40/	43/	49/	53/	57/	62/	67/	73/	78/	84/ per doz.
1126— 9 " " Long Shanks, Eyed,	30/	31/	34/	40/	44/	47/	54/	58/	62/	67/	72/	79/	85/	92/ "
1127—12 " " Short Shanks, not Eyed,	32/	34/	37/	43/	48/	52/	59/	64/	69/	75/	81/	88/	94/	102/ "
1128—12 " " Long Shanks, Eyed,	35/	37/	40/	47/	52/	56/	64/	69/	74/	81/	86/	94/	101/	110/ "

Improved Single Twist Dowling Augers, see page 41.

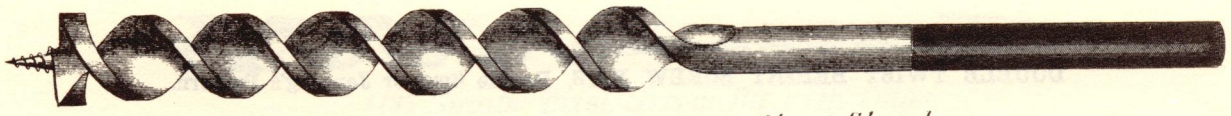
SCREW AUGERS



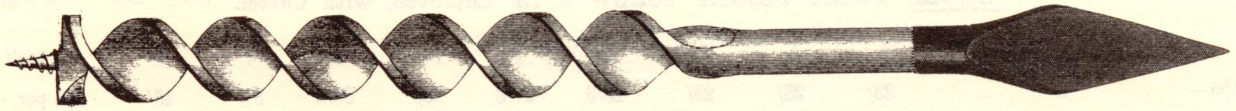
Double Twist Eyed Screw Auger.



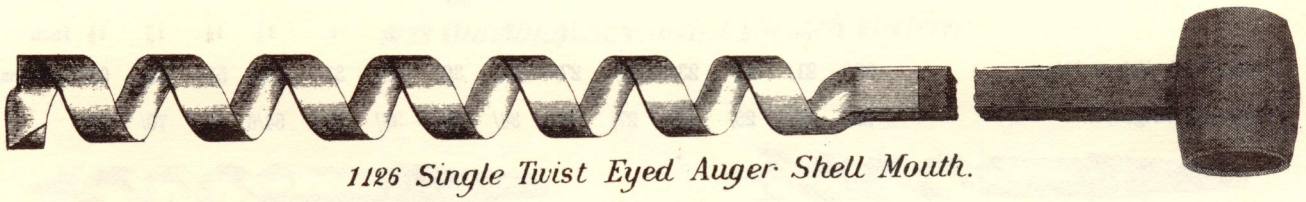
1123 Double Twist Eyed Screw Auger. Concave Mouth.



1121 Double Twist Screw Auger. Short Shank.



1122 Double Twist Screw Auger. Tanged



1126 Single Twist Eyed Auger. Shell Mouth.

Single Twist Deck Dowling Auger.

BRACE SCREW BITS.

DOUBLE TWIST BRIGHT SCREW BITS, Scotch Pattern.

No.	¼	5/16	⅜	7/16	½	9/16	⅝	11/16	¾	13/16	⅞	1	1⅛	1¼	1⅜	1½ inch	
1130—Usual Length, ...	18/	18/	18/	18/	18/	20/	22/	24/	24/	27/	27/	30/	36/	42/	48/	54/	per doz.
1131—Extra Long, 12½ inch overall,	22/	22/	22/	22/	22/	24/	26/	28/	28/	31/	31/	34/	—	—	--	—	"
1132— " 14 " ...	—	—	24/	24/	24/	26/	28/	—	—	—	--	--	—	—	—	—	"
1130—Screw Bits, Usual Length, Small Diameter, 3/16 inch, ...																27/	"

DOUBLE TWIST BRIGHT SCREW BITS, Concave Mouth or Gedge's Pattern.

	¼	5/16	⅜	7/16	½	9/16	⅝	¾	⅞	1	1⅛	1¼	1⅜	1½ inch	
1133—	18/	18/	18/	18/	18/	20/	22/	24/	27/	30/	34/	38/	43/	48/	per doz.

DOUBLE TWIST BRIGHT SCREW BITS, Double Spur or Jenning's Pattern.

	¼	5/16	⅜	7/16	½	9/16	⅝	¾	⅞	1	1⅛	1¼	1⅜	1½ inch	
1134—	19/	19/	19/	19/	19/	21/	23/	26/	29/	32/	45/	48/	60/	69/	per doz.

SINGLE TWIST BRIGHT SCREW BITS, Improved, with Cutter.

	¼	5/16	⅜	7/16	½	9/16	⅝	¾	⅞	1 inch	
1135—	23/	23/	23/	25/6	27/6	29/	30/6	37/	46/	50/	per doz.

WAGGON BUILDERS' SCREW BITS, Long Twist.

	⅜	7/16	½	9/16	⅝	11/16	¾	13/16	⅞	1	1⅛	1¼	1⅜	1½ inch	
1136—With Bright Edges, ...	20/	21/	22/	23/	24/	27/	27/	30/	30/	33/	46/6	51/	60/	68/	per doz.
1137—All Bright, ...	23/	24/	25/	26/	27/	30/	30/	33/	33/	36/	54/6	60/	70/	80/	"

BRIGHT SCREW DOWLING BITS.

	¼	5/16	⅜	7/16	½	9/16	⅝	¾ inch	
1138—Scotch Pattern, ...	18/	18/	18/	18/	18/	20/	22/	24/	per doz.
1139—With Concave Mouth, ...	18/	18/	18/	18/	18/	20/	22/	24/	"
1140— " Double Spur, ...	19/	19/	19/	19/	19/	21/	23/	26/	"

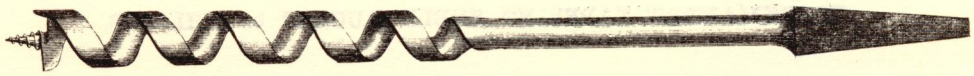
For Machine Screw Bits, see Machine Boring Bits.

SCREW BITS

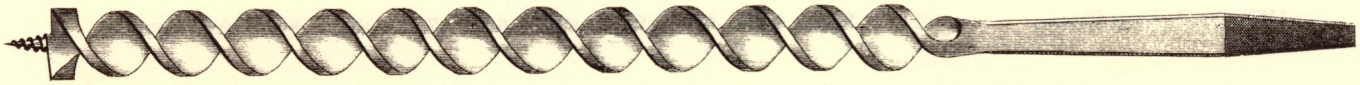
1130 Double Twist Screw Bit. Scotch Pattern

1133 Double Twist Screw Bit Concave Mouth.

1134 Double Twist Screw Bit, Double Spur.

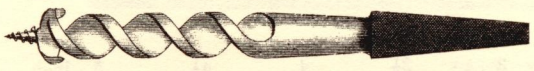


1135 Single Twist Screw Bit, with Cutter.



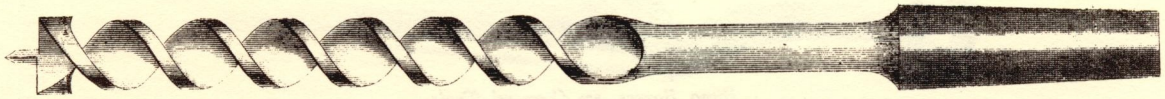
1137 Waggon Builders Screw Bit

1138 Dowling Screw Bit. Scotch Pattern.



1139 Dowling Screw Bit, Concave Mouth.

1140 Dowling Screw Bit. Double Spur.



Machine Screw Bit Turned Tang. Centre Bit Point.

SHELL AUGERS.

CARPENTERS' BEST SHELL AUGERS.

No.	$\frac{3}{8}$	$\frac{1}{2}$	$\frac{5}{8}$	$\frac{3}{4}$	$\frac{7}{8}$	1	$1\frac{1}{8}$	$1\frac{1}{4}$	$1\frac{3}{8}$	$1\frac{1}{2}$	$1\frac{5}{8}$	$1\frac{3}{4}$	$1\frac{7}{8}$	2 inch
1150—Short Shanks, ...	9/	9/	10/6	13/6	15/	17/	18/6	23/	25/	30/	32/	38/6	42/	51/ per doz.
1151—Eyed, Long Shanks,	14/6	14/6	16/	19/6	21/	24/	26/6	32/	35/	40/	43/	50/6	55/	65/ "

Shell Augers, Extra Long Shell, to order.

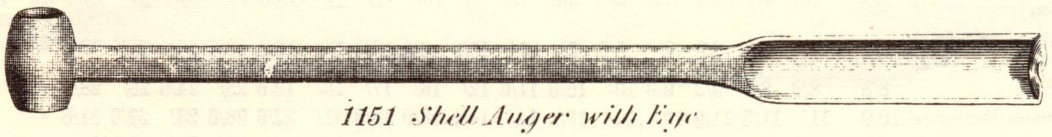
BLOCKMAKERS' TAPERING SHELL AUGERS or SCILLOPS.

	$\frac{1}{2}$	$\frac{5}{8}$	$\frac{3}{4}$	$\frac{7}{8}$	1	$1\frac{1}{16}$	$1\frac{3}{16}$	$1\frac{5}{16}$	$1\frac{7}{16}$	$1\frac{9}{16}$	$1\frac{11}{16}$	$1\frac{13}{16}$ inch
1152—Short Shanks, ...	2/9	3/3	4/3	4/9	5/6	5/9	6/3	7/3	7/9	8/3	9/	9/9 each
1153—Eyed, Long Shanks,	3/	3/6	4/6	5/	5/9	6/6	6/9	7/9	8/3	9/	9/6	10/3 "

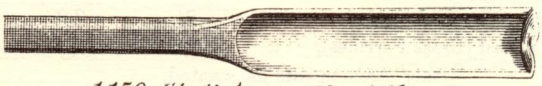
PUMP BORERS.

| | | |

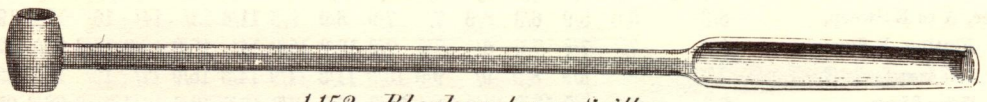
SHELL AUGERS



1151 *Shell Auger with Eye*

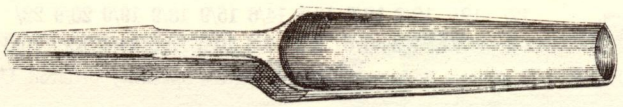


1150 *Shell Auger Short Shank*

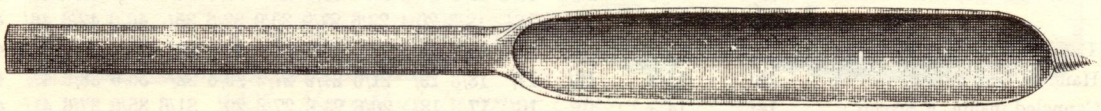


1153 *Blockmakers Scillop*

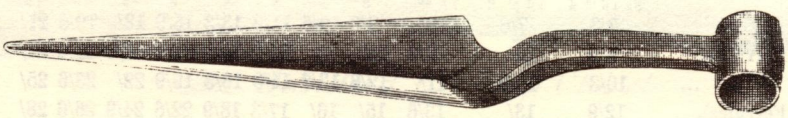
1154 *First Bit, or Piercer for Pump Boring*



1156 *Taper Bit for Pump Boring*



1155 *Shell Auger. Screw point*



Scillop or Bung Borer with Eye

LIGHT EDGE TOOLS.

CAST STEEL FIRMER CHISELS.

No.	1/16, 1/8, 3/16 & 1/4	5/16	3/8	7/16	1/2	5/8	3/4	7/8	1	1 1/8	1 1/4	1 3/8	1 1/2	1 5/8	1 3/4	1 7/8	2	2 1/4	2 1/2	3	inch
1300—Chisels, Ordinary.	4/3	4/6	4/9	5/3	5/6	6/	6/6	7/6	8/	10/	11/	12/	13/6	15/	16/6	18/	20/	25/	29/6	47/	per doz.
1301— " Thin,																					
1302— " Handled (Brass Ferrules) Ord.	6/9	7/	7/3	7/9	8/	8/6	9/	10/	10/6	12/9	13/9	15/	16/6	18/6	20/	21/6	23/6	—	—	—	"
1303— " " " Thin,																					
1304— " Bevelled Edges,	8/3	8/6	8/9	9/3	9/6	10/	10/6	11/6	12/	16/	17/	18/	19/6	23/	24/6	26/	28/	—	—	—	"
1305— " " Handled (Brass Ferrules),	10/9	11/	11/3	11/9	12/	12/6	13/	14/	14/6	18/9	19/9	21/	22/6	26/6	28/	29/6	31/6	—	—	—	"
1306— " Strong, ...	5/6	5/9	6/	6/3	6/6	7/6	8/	9/	10/	12/	14/	15/6	17/	19/	21/	22/6	24/	—	—	—	"

	1/16 to 1	1/8 to 1 1/4	1/8 to 1 1/2	1/8 to 1 3/4	1/8 to 2	inch
1307—Firmer Chisels, in Sets of 12, assorted, ...	5/8	6/3	7/	8/	9/4	per doz.
1308— " " " Handled (Brass Ferrules), ...	8/2	9/	10/	11/6	12/10	"
1309—Strong Firmer Chisels, "	7/	7/9	8/9	10/	11/9	"
1310— " " " Handled (Brass Ferrules), ...	9/6	10/6	11/9	13/6	15/3	"

Other Assortments as wanted.

CAST STEEL FIRMER GOUGES.

	1/16, 1/8, 3/16, 1/4	5/16	3/8	7/16	1/2	5/8	3/4	7/8	1	1 1/8	1 1/4	1 3/8	1 1/2	1 5/8	1 3/4	1 7/8	2	inch
1311—Gouges, Firmer, A to E Sweep,	5/3	5/6	5/9	6/3	6/6	7/	7/9	8/9	9/3	11/6	13/	14/	16/	17/6	19/6	21/	24/	per doz.
1312— " " Fluting, F Sweep,	6/9	7/	7/3	7/9	8/	8/6	9/3	10/3	10/9	14/	15/6	16/6	18/6	20/	22/	23/6	26/6	"
1313— " " A to E Sweep, Handled (Brass Ferrules),	7/9	8/	8/3	8/9	9/	9/6	10/3	11/3	11/9	14/3	15/9	17/	19/	21/	23/	24/6	27/6	"
1314— " " Fluting, F Sweep " "	9/3	9/6	9/9	10/3	10/6	11/	11/9	12/9	13/3	16/9	18/3	19/6	21/6	23/6	25/6	27/	30/	"
1315— " " Incanneled, A to E Sweep,	5/6	5/9	6/	6/6	6/9	7/3	8/	9/	9/6	12/	13/6	14/6	16/6	18/6	20/6	22/	25/	"
1316— " " " Fluting, F Sweep,	7/	7/3	7/6	8/	8/3	8/9	9/6	10/6	11/	14/6	16/	17/	19/	21/	23/	24/6	27/6	"
1317— " " " A to E Sweep, Handled (Brass Ferrules),	8/	8/3	8/6	9/	9/3	9/9	10/6	11/6	12/	14/9	16/3	17/6	19/6	22/	24/	25/6	28/6	"
1318— " " " Fluting, F Sweep, Handled, (Brass Ferrules)	9/6	9/9	10/	10/6	10/9	11/3	12/	13/	13/6	17/3	18/9	20/	22/	24/6	26/6	28/	31/	"

	1/16 to 1	1/8 to 1 1/4	1/8 to 1 1/2	1/8 to 1 3/4	1/8 to 2	inch
1319—Firmer Gouges, A to E Sweep, in Sets of 12, assorted, ...	6/9	7/6	8/3	9/6	11/	per doz.
1320— " " " " " " " Handled (Brass Ferrules),	9/3	10/3	11/3	13/	14/6	"

CAST STEEL STRONG SHIP or REGISTERED CHISELS.

	1/8	1/4	3/8	1/2	5/8	3/4	7/8	1	1 1/8	1 1/4	1 3/8	1 1/2	1 5/8	1 3/4	1 7/8	2	inch
1321—Handled, with 2 Bright Iron Ferrules,	12/	12/	12/3	12/6	13/3	14/6	15/9	18/9	19/9	20/9	22/	23/3	25/3	27/3	28/9	30/3	per doz.
1322—Unhandled, ...	7/	7/	7/3	7/6	8/3	9/3	10/6	13/6	14/3	15/	16/3	17/6	19/	21/6	23/	24/6	"

NOTE.—These Chisels will always be sent Handled, unless specially ordered Unhandled.

CAST STEEL LONG THIN PARING CHISELS and GOUGES.

	1/8, 3/16 & 1/4	5/16 & 3/8	7/16 & 1/2	5/8	3/4	7/8	1	1 1/8	1 1/4	1 3/8	1 1/2	1 5/8	1 3/4	1 7/8	2	inch
1323—Chisels, ...	7/6	7/9	8/6	9/6	10/9	11/6	14/	16/	19/	20/6	23/	25/	27/	30/6	33/6	per doz.
1324— " Handled (Brass Ferrules),	10/	10/3	11/	12/	13/3	14/	16/6	18/9	21/9	23/6	26/	28/6	30/6	34/	37/	"
1325— " Bevelled Edge, ...	13/6	13/9	14/6	15/6	16/9	17/6	20/	25/	28/	29/6	32/	37/	39/	42/6	45/6	"
1326— " " Handled (Brass Ferrules),	16/	16/3	17/	18/	19/3	20/	22/6	27/9	30/9	32/6	35/	40/6	42/6	46/	49/	"
1327—Gouges, Canneled inside, A to E Sweep,	12/6	12/9	13/6	14/6	15/9	16/6	19/	22/	25/	26/6	29/	33/	35/	38/6	41/6	"
1328— " Handled (Brass Ferrules), " "	15/	15/3	16/	17/	18/3	19/	21/6	24/9	27/9	29/6	32/	36/6	38/6	42/	45/	"
1329— " Canneled inside, F Sweep,	14/	14/3	15/	16/	17/3	18/	20/6	24/6	27/6	29/	31/6	35/6	37/6	41/	44/	"
1330— " " Handled (Brass Ferrules) F Sweep,	16/6	16/9	17/6	18/6	19/9	20/6	23/	27/3	30/3	32/	34/6	39/	41/	44/6	47/6	"

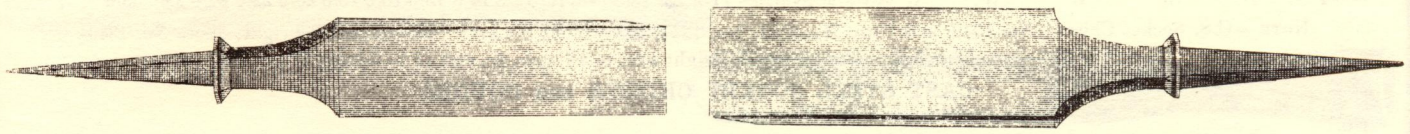
COACHMAKERS' CAST STEEL CHISELS and GOUGES.

	1/8, 3/16 & 1/4	5/16 & 3/8	7/16 & 1/2	5/8	3/4	7/8	1	1 1/8	1 1/4	1 3/8	1 1/2	1 5/8	1 3/4	1 7/8	2	inch
1331—Chisels, ...	7/3	7/6	8/	9/6	10/6	11/9	13/3	15/9	18/	19/6	21/	23/3	25/6	28/9	32/	per doz.
1332— " Handled (Brass Ferrules),	9/9	10/	10/6	12/	13/	14/3	15/9	18/6	20/9	22/6	24/	26/9	29/	32/3	35/6	"
1333—Gouges, ...	10/3	10/6	11/	12/6	13/6	14/9	16/3	19/9	22/	23/6	25/	28/3	30/6	33/9	37/	"
1334— " Handled (Brass Ferrules),	12/9	13/	13/6	15/	16/	17/3	18/9	22/6	24/9	26/6	28/	31/9	34/	37/3	40/6	"

MILLWRIGHTS' CAST STEEL CHISELS and GOUGES.

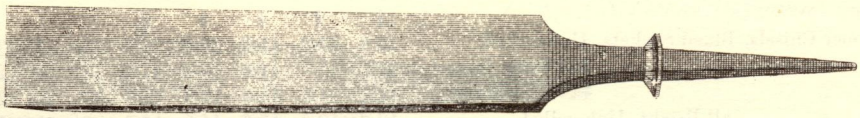
	1/8, 3/16 & 1/4	5/16 & 3/8	7/16 & 1/2	5/8	3/4	7/8	1	1 1/8	1 1/4	1 3/8	1 1/2	1 3/4	2	inch
1335—Chisels, Unhandled, ...	9/	10/	11/6	13/6	15/6	17/	19/6	22/3	25/	28/3	31/6	37/6	45/6	per doz
1336—Gouges, "	14/	15/	16/6	18/6	20/6	22/	24/6	28/3	31/	34/3	37/6	45/6	53/6	"

LIGHT EDGE TOOLS

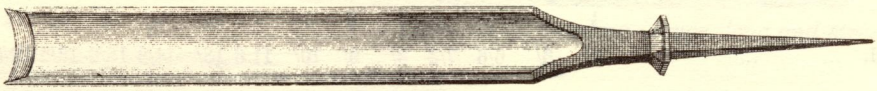


1300 *Cast Steel Firmer Chisels*

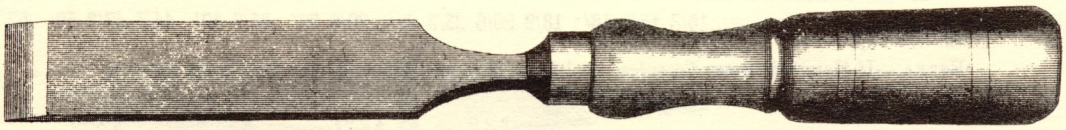
1311 *Cast Steel Firmer Gouges*



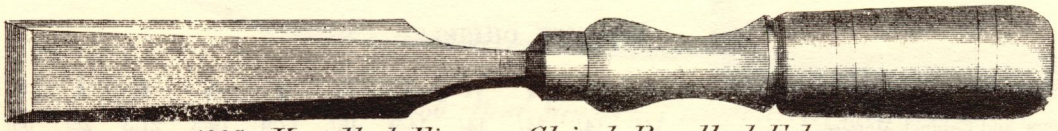
1323 *Cast Steel long paring Chisel*



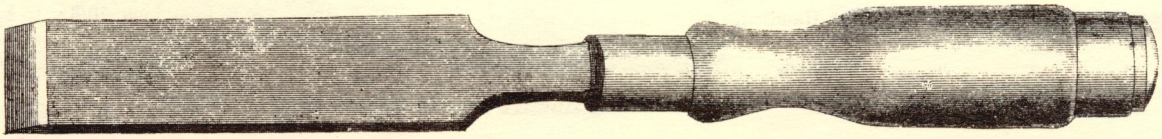
1327 *Cast Steel long paring Gouge*



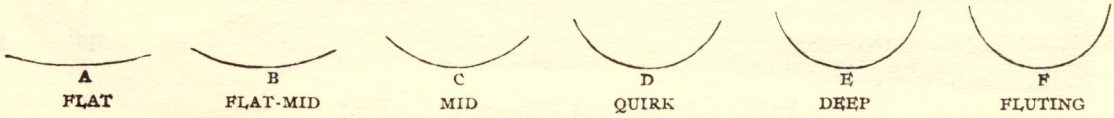
1302 *Handled C.S. Firmer Chisel*



1305 *Handled Firmer Chisel, Bevelled Edges*



1321 *Handled C.S. Ship Chisel*



Curves of Gouges.

	¼	5/16	⅜	7/16	½	⅝	¾	⅞	1	1⅛	1¼	1⅜	1½	1¾	2 inch.
1301½—C. S. Chinese Chisels, Unhandled, ...	—	—	—	—	—	—	—	—	9/3	12/	12/9	14/	16/	20/	24/6 per. doz.
1303½— ,, ,, Handled, Brass Ferrules, ...	—	—	—	—	—	—	—	—	12/	14/9	15/6	17/	19/	23/6	28/ ,,
1322½—C. S. Strong Firmer Chisels, with Improved Round Bolsters, Unhandled, ...	6/9	7/	7/3	7/6	8/	8/6	9/6	10/6	11/6	13/3	15/6	17/3	19/	23/	27/6 ,,
1321½— ,, ,, ,, ,, ,, Ash Dble. Hooped Handles,	11/9	12/	12/3	12/6	13/	13/6	14/6	15/6	16/6	18/6	20/9	22/9	24/6	29/	33/6 ,,

NOTE.—C.S. Socket Chisels, No. 1340, and Ditto Handled, No. 1341, have Blued Sockets. If wanted all Bright, quote No. 1340½ ... dled and No. 1341½ Handled. The prices all Bright are, to 1½ inch, 2/, and 1⅝ to 2 inch, 3/ per Doz. extra.

CAST STEEL SOCKET CHISELS and GOUGES.

No.	To ½	⅝	¾	⅞	1	1⅛	1¼	1⅜	1½	1⅝	1¾	1⅞	2 inch
1340—Socket Chisels, ...	12/3	13/	14/	15/	16/6	18/3	20/	21/3	22/9	24/6	26/6	28/6	30/6 per doz.
1341— ,, ,, with Ash Handles, Hooped,	15/9	16/6	17/6	18/6	20/	22/	23/9	25/3	26/9	29/	31/	33/	35/ ,,
1342— ,, Gouges, ...	15/3	16/	17/	18/	20/	22/3	24/	25/3	26/9	30/6	32/6	34/6	36/6 ,,
1343— ,, ,, with Ash Handles, Hooped,	18/9	19/6	20/6	21/6	23/6	26/	27/9	29/3	30/9	35/	37/	39/	41/ ,,
1344— ,, ,, Canneled inside, ...	17/3	18/	19/	20/	22/	24/3	26/	27/3	28/9	32/6	34/6	36/6	38/6 ,,
1345— ,, ,, ,, with Ash Handles, Hooped,	20/9	21/6	22/6	23/6	25/6	28/	29/9	31/3	32/9	37/	39/	41/	43/ ,,
1346—Bushing and Blockmakers' Gouges, Canneled Inside,	24/	26/	28/	30/	32/	35/	38/	41/	44/	48/	52/	56/	60/ ,,

	¼	⅜	½	⅝	¾	⅞	1	1¼	1½	1¾	2 inch
01347—C S. Socket Firmer Chisels, Blued Sockets, Unhandled, ...	10/6	10/6	11/6	12/9	14/6	15/	16/	17/6	19/	20/6	22/ per doz.
01347½— ,, ,, ,, Beech Handles Unhooped,	13/	13/	14/6	15/9	17/6	18/	19/	20/6	22/	23/6	25/ ,,
01348— ,, ,, ,, Ash ,, Hooped,	14/6	14/6	15/6	16/9	18/6	19/	20/	22/6	24/	25/6	27/ ,,
1347— ,, ,, all Bright, Unhandled, ...	12/6	12/6	13/6	14/9	16/6	17/	18/	19/6	21/	23/6	25/ ,,
1347½— ,, ,, ,, Beech Handles, Unhooped, ...	15/	15/	16/6	17/9	19/6	20/	21/	22/6	24/	26/6	28/ ,,
1348— ,, ,, ,, Ash ,, Hooped, ...	16/6	16/6	17/6	18/9	20/6	21/	22/	24/6	26/	28/6	30/ ,,

CAST STEEL TURNING CHISELS and GOUGES.

	⅛	¼	⅜	½	⅝	¾	⅞	1	1⅛	1¼	1⅜	1½	1⅝	1¾	1⅞	2 inch
1349—Chisels, Unhandled, ...	6/	6/	6/6	7/3	8/	9/	10/	11/6	13/	14/6	16/6	18/6	20/6	22/6	24/6	26/6 per doz.
1350— ,, ,, Long and Strong, ...	10/	10/	10/6	11/	12/	13/6	14/6	16/6	19/	20/6	23/9	27/	31/	35/	38/	41/ ,,
1351—Gouges, Unhandled, ...	7/9	7/9	8/9	9/9	10/6	12/3	14/	15/9	17/6	20/6	23/9	26/9	29/3	31/6	35/	38/6 ,,
1352— ,, Strong Scotch Patt., ...	11/6	11/6	12/6	13/6	15/	17/	20/	23/6	27/6	32/	37/	42/	—	—	—	— ,,
1353— ,, Long and Strong, ...	15/3	15/3	16/	18/9	20/6	23/3	27/	29/6	32/	35/6	40/	44/6	47/3	50/	52/3	54/6 ,,

EXTRA.—If Handled (Brass Ferrules), to 1 inch, 3/6; to 1½ inch, 4/; to 2 inch, 4/6 per doz.

	⅜ × 9	½ × 9¼	½ × 18	⅝ × 18	¾ × 18 inch
1354—Cast Steel V Turning Tools, ...	15/	16/	60/	64/	72/ per doz.

MORTISE CHISELS.

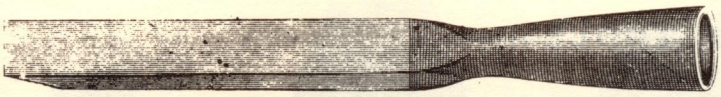
	⅛	3/16	¼	5/16	⅜	7/16	½	9/16	⅝	¾	⅞	1 inch
1355—Best Joiners' and Cabinet Mortise, ...	14/	14/	14/	14/	14/9	16/	17/9	19/3	21/3	26/	35/	43/6 per doz.
1356— ,, ,, ,, Handled,	24/	24/	24/	24/	24/9	26/	27/9	29/3	31/3	36/	45/	53/6 ,,
1357— ,, ,, ,, Not Handled, ...	Per Set of 8, to 9/16 inch, 10/6; to ⅝ inch, 10/9											
1358— ,, ,, ,, Handled, ...	,,								,,		,,	17/; ,, 17/3

	1½	1¾	2	2¼	2½ inch
1359—Sash Pocket Chisels, Handled, ...	12/	14/	16/	20/	24/ per doz.

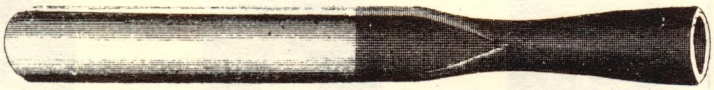
	⅝	¾ inch
1360—Astragal Chisels or Punches, ...	16/	18/ per doz.

	½	9/16	⅝ inch
1361—Improved Lock Mortise, Shouldered, ...	46/	48/	50/ per doz.

LIGHT EDGE TOOLS

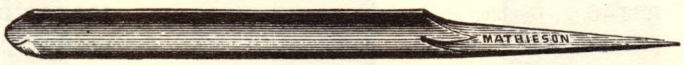


1340 Cast Steel Socket Chisel

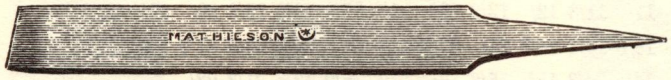


1342 Cast Steel Socket Gouge

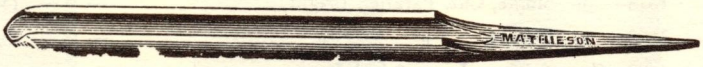
1347 C. S. Socket Firmer Chisel.



1351 C. S Turning Gouge,

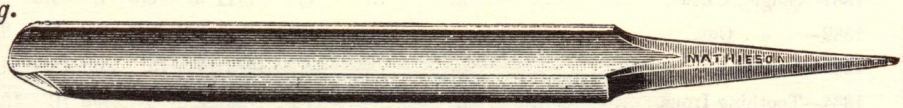


1349 C. S. Turning Chisel



1352 C.S. Turning Gouge, Scotch Pattern

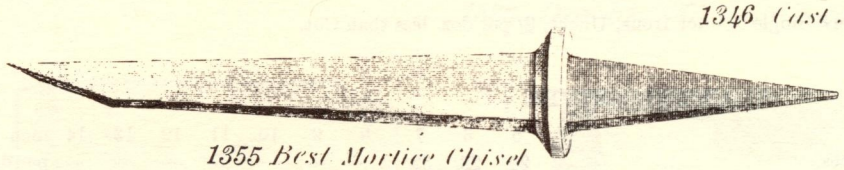
1350 C. S. Turning Chisel, long and strong.



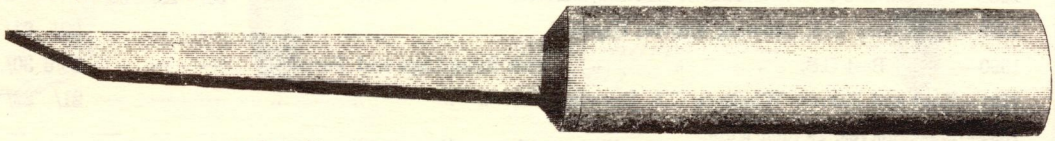
1353 C. S. Turning Gouge, long and strong.

1354 V. Turning Tool.

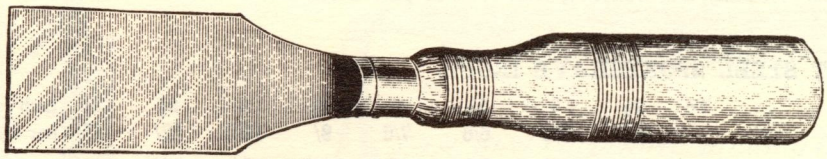
1346 Cast Steel Bushing Gouge



1355 Best Mortice Chisel

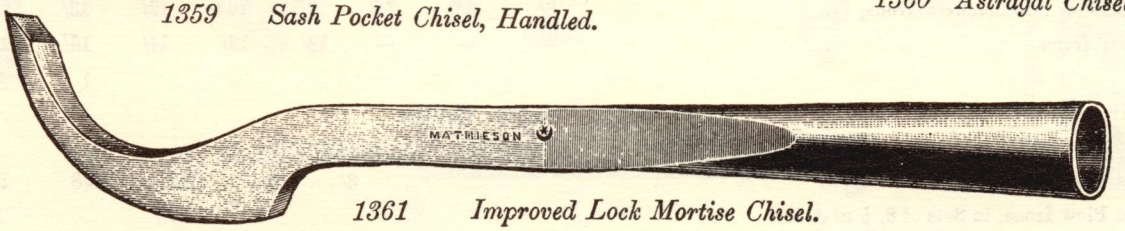


1356 Best Mortice Chisel, Oval Handled



1359 Sash Pocket Chisel, Handled.

1360 Astragal Chisel or Punch.



1361 Improved Lock Mortise Chisel.

LIGHT EDGE TOOLS—*Continued.*

CAST STEEL PLANE IRONS.

No.	To	1¼	1⅜	1½	1⅝	1¾	1⅞	2	2⅛	2¼	2⅜	2½	2⅝	2¾	2⅞	3	inch
1370—C.S., Single, Uncut, ...		8/	8/	8/	8/	8/3	9/	9/6	10/	11/6	12/9	13/6	15/3	17/	18/6	21/6	per doz.
1371— " " Cut, ...		8/6	8/6	8/6	8/6	8/9	9/6	10/	10/6	12/	13/3	14/	15/9	17/6	19/	22/	"
1372— " " " Skew, ...		9/6	9/6	9/6	9/6	9/9	10/6	11/	11/6	13/	14/3	15/9	16/9	18/6	20/	23/	"
1373—C.S., Double, ...		16/3	16/3	16/3	16/3	16/9	17/9	18/6	19/3	21/3	23/3	24/9	27/	29/3	32/3	36/9	"
1374— " " Skew, ...		18/9	18/9	18/9	18/9	19/3	20/3	21/	21/9	23/9	25/9	27/3	29/6	31/9	34/9	39/3	"
1375—Top Irons, with Screws, ...		6/3	6/3	6/3	6/3	6/3	6/6	6/9	7/	7/6	8/3	9/	9/6	10/	11/6	13/	"
1376—C.S., Single, Cut, Parallel, 7 or 8 W.G., ...		11/	11/	11/	11/	11/3	12/	12/6	13/	14/6	15/9	16/6	18/3	20/	21/6	24/6	"
1377— " Double, " " ...		18/9	18/9	18/9	18/9	19/3	20/3	21/	21/9	23/9	25/9	27/3	29/6	31/9	34/9	39/3	"
1378— " Single, Cut, Parallel, Bright, ...		—	—	14/	14/	14/3	15/	15/6	16/	17/6	18/9	19/6	21/3	23/	—	—	"
1379— " Double, " "		—	—	25/	25/	25/6	26/	26/6	27/	28/6	30/	32/	34/	37/	—	—	"
1380—Curved Cheve Irons, 9 inch long, ...		—	—	—	—	—	—	12/6	13/	14/6	—	—	—	—	—	—	"

G.S. PLANE IRONS.

	To	1¼	1⅜	1½	1⅝	1¾	1⅞	2	2⅛	2¼	2⅜	2½	2⅝	2¾	2⅞	3	inch
1381—Single, Uncut, ...		5/7	5/11	6/	6/8	7/	7/3	8/	8/6	9/9	11/	11/6	12/9	14/	15/6	17/	per doz.
1382— " Cut, ...		6/1	6/5	6/6	7/2	7/6	7/9	8/6	9/	10/3	11/6	12/	13/3	14/6	16/	17/6	"
1383—Double, ...		13/10	14/2	14/3	15/	15/3	15/9	16/9	17/6	19/3	21/3	22/6	24/3	26/	29/	32/	"
1384—Toothing Irons, ...		7/9	8/3	8/6	9/	9/6	10/	10/6	11/6	12/6	13/6	15/	—	—	—	—	"

EXTRA.—Skew Single Irons, 1/; Skew Double, 2/6 per doz.

COOPERS' JOINTER IRONS.

	3	3⅛	3¼	3⅜	3½	3⅝	3¾	3⅞	4	4⅛	4¼	inch
1385—Single, Cut, ...	27/	28/	29/	31/6	33/6	36/	38/	39/6	40/6	42/6	44/	per doz.
1386—Double, ...	50/	52/	54/	59/	63/	68/	72/	75/	79/	81/	84/	"

No. 1387—Coopers' Single Jointer Irons, Uncut, 2/ per doz. less than Cut.

DRAWING KNIVES.

	5	6	7	8	9	10	11	12	13	14	inch
1388—Gentlemen's Box Handle C.S. Drawing Knives, ...	24/	28/	32/	—	—	—	—	—	—	—	per doz.
1389—Carpenters' G.S. Drawing Knives, Handled, ...	—	—	—	20/	21/	22/6	24/3	26/	29/	32/	"
1390— " Best C.S. " " " with Brass Caps and Ferrules,	—	—	—	28/6	30/	32/	35/	38/	41/6	45/6	"
1391—Kent and Narrow Wheelers' C.S. Drawing Knives, ...	—	—	—	21/	22/	23/6	25/	27/	30/	33/	"
1392—Mast Shaves, 2½ inch wide, ...	—	—	—	—	—	—	—	45/	50/	55/	"

For Coopers' Drawing, Heading, and Hollowing Knives, see Coopers' Tools.

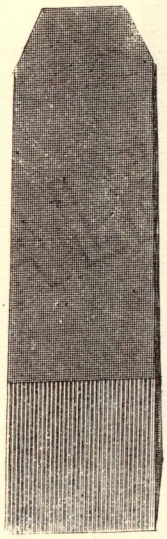
CAST STEEL SPOKESHAVE IRONS.

	To	2½	3	3½	4	4½	5	5½	6	inch
1393—Joiners' Spokeshave Irons, ...		5/3	5/9	6/6	7/6	9/	10/6	12/	15/	per doz.
1394—Wheelers' or Coachmakers' Irons, ...		6/	6/9	7/9	9/3	10/6	12/	13/	16/	"
1395—Coopers' Irons, ...		—	—	—	12/	13/	14/	16/	20/	"

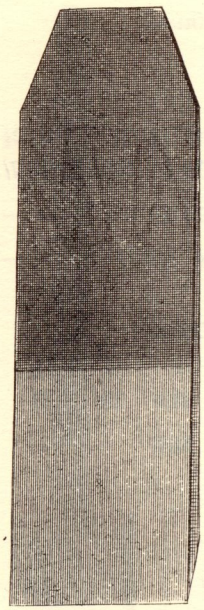
CAST STEEL PLOW IRONS.

	⅛ to 9/16	⅝	¾	⅞	1	inch
1396—Bright Plow Irons, ...	8/	9/	11/	13/6	16/6	per doz.
1397—Bright Plow Irons, in Sets of 8, ⅛ to 9/16 inch, ...					5/4	per set

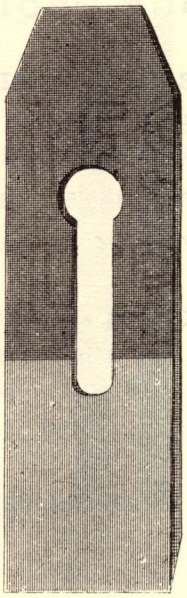
LIGHT EDGE TOOLS



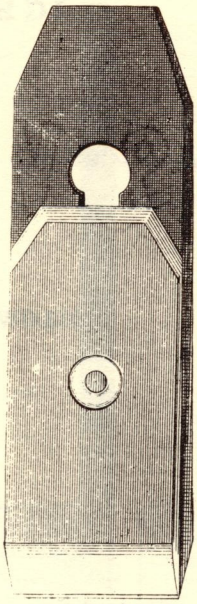
Tooth Plane Iron
1384



C.S. Uncut Plane Iron
1370

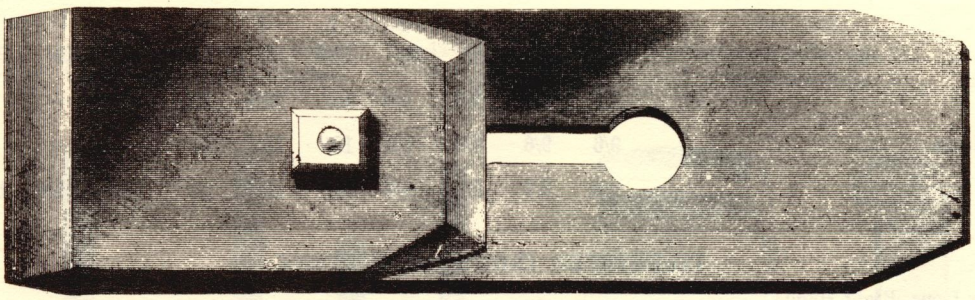


Cast Steel Cut Plane Iron
1371

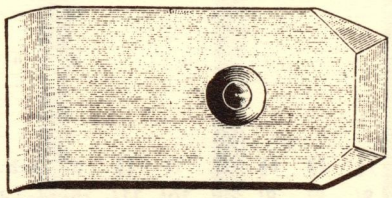


Cast Steel Double Plane Iron
1373

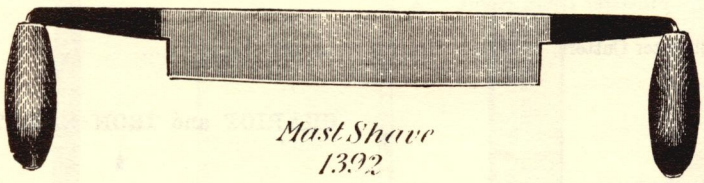
C.S. Curved Cheve Iron
1380



1386 Double Jointer Iron

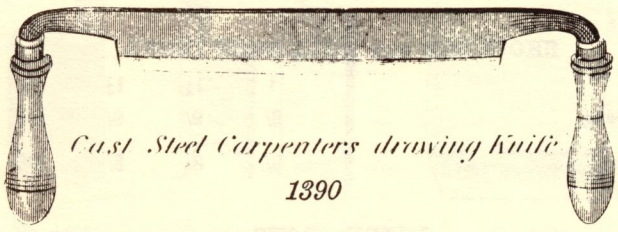


1375 Top Iron.



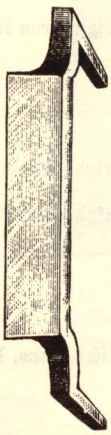
Mast Shave
1392

1393 Joiners' Spokeshave Iron.



Cast Steel Carpenters drawing Knife
1390

1396 Cast Steel Plough Bit



1395 Coopers' Spokeshave Iron.

LIGHT EDGE TOOLS—*Continued.*

PLANE IRONS—VARIOUS.

No.																				
	½	⅝	¾	⅞	1	1⅛	1¼	1⅜	1½	1⅝	1¾	1⅞	2	2⅛	2¼	2⅜	2½	2⅝	2¾	inch
1400—Soft Moulding Irons, Right or Left Hand,	3/2	3/3	3/4	3/5	3/7	3/10	4/2	4/5	4/8	4/10	5/	5/6	5/9	6/4	7/	7/9	8/6	10/	11/6	per doz.
1401—Square Rabate Irons, Finished, ...	4/2	4/4	4/7	4/8	4/10	5/	5/2	5/5	5/8	5/10	6/	6/6	7/	—	—	—	—	—	—	"
1402—Skew " " "	4/8	4/10	5/1	5/2	5/4	5/6	5/8	5/11	6/2	6/4	6/6	7/	7/6	—	—	—	—	—	—	"

HOLLOWS and ROUNDS and GROOVING IRONS.

	¼	⅜	½	⅝	¾	⅞	1	1⅛	1¼	1¾	1½	inch
1403—Hollows and Rounds, ...	18/	18/	18/	18/	18/	18/	18/6	19/	20/	21/	21/	per doz pairs
1404—Groovings, ...	14/6	14/6	14/6	14/6	15/	15/	15/6	—	—	—	—	" "

RAGLET IRONS and CUTTERS.

	¼	⅜	½	⅝	¾	⅞	1	inch
1405—Raglet Irons, ...	10/	10/	10/	10/	10/	10/	10/	per doz.
1406— " Cutters, ...	10/	10/	10/	10/	10/	10/	10/	"

BEAD, LAMBTONGUE, GOTHIC and OGEE IRONS.

	¼	⅜	½	⅝	¾	⅞	1	1⅛	1¼	1⅜	1½	inch
1407—Bead Irons, ...	10/	10/	10/	10/	10/6	11/	12/6	14/	15/	16/	16/	per doz.
1408—Gothic Irons, ...	9/6	9/6	9/6	9/6	10/	10/6	12/	—	—	—	—	"
1409—Lambtongue Irons, ...	9/6	9/6	9/6	9/6	10/	10/6	12/	—	—	—	—	"
1410—Ogee Irons, ...	9/6	9/6	9/6	9/6	10/	10/6	12/	13/6	14/6	15/6	15/6	"

FILLETSTER IRONS and CUTTERS.

1411—Sash Filletster Irons, Right Hand, ...	6/ per doz.
1412— " " Left "	6/ "
1411—Fore Filletster Irons, Right "	6/ "
1419—Filletster Cutters, ...	6/ "

CHARIOT and IRON RABATE IRONS.

	½	⅝	¾	⅞	1	1⅛	1¼	1⅜	1½	1⅝	1¾	1⅞	2	inch
1413—Chariot Irons, ...	—	—	—	—	8/	8/	8/	8/	8/	9/	10/	11/	12/	per doz.
1414—Bright Iron Rabate Irons, Hooked, 6 to 9 inch long,	10/	10/	10/	10/	10/	10/	10/	10/6	11/	12/	13/	—	—	"

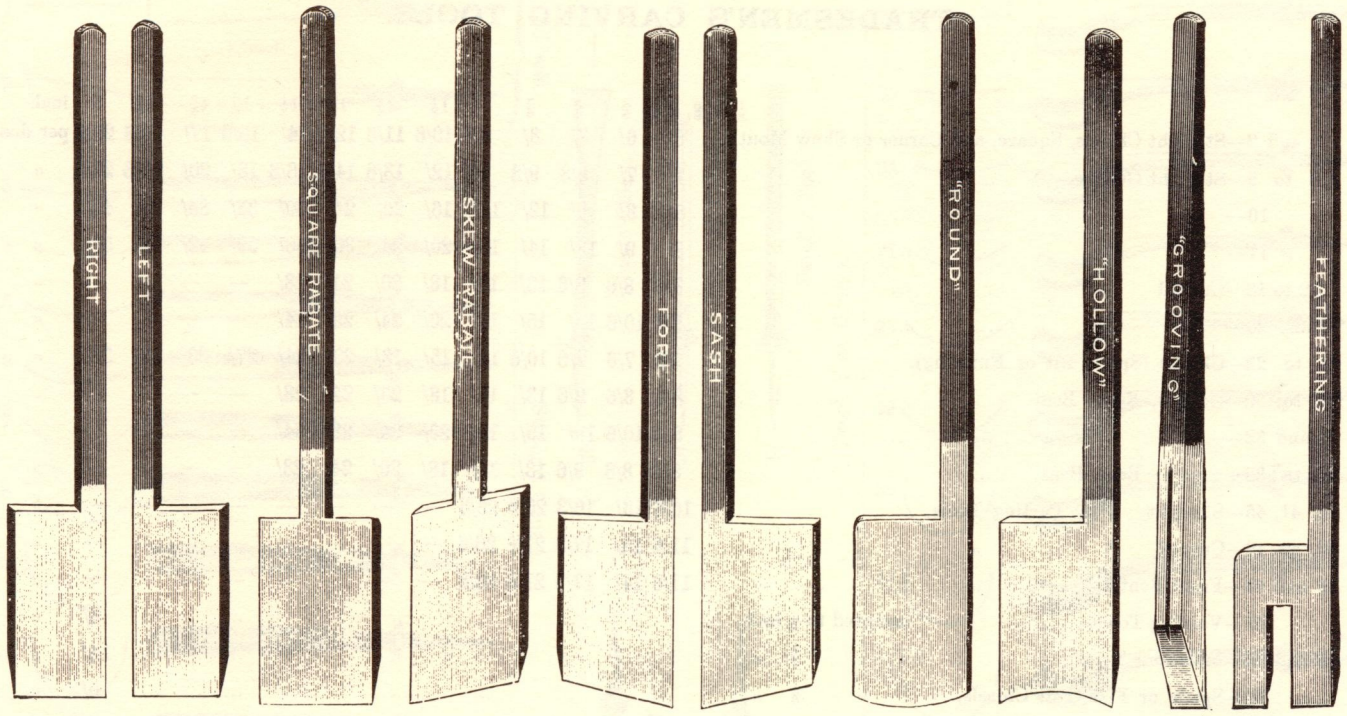
SHOULDER and BULL-NOSE IRONS.

	1	1⅛	1¼	1⅜	1½	1⅝	1¾	inch
1415—Bright Shoulder Irons, 6 to 9 inch long, ...	9/	9/	9/	9/6	10/	11/	12/	per doz.
1416—Bright Bull-Nose Irons, to 6 inch long, ...	8/	8/	8/	8/6	9/	10/	11/	"

MITRE IRONS.

	1¾	1⅞	2	2⅛	2¼	2⅜	2½	2⅝	2¾	inch
1417—Mitre Irons, Bright, ...	9/3	10/	10/6	11/	12/6	13/9	14/6	16/3	18/	per doz.
1418— " " with Nib, ...	14/3	15/	15/6	16/	17/6	18/9	19/6	—	—	"

LIGHT EDGE TOOLS.



Right Hand. Left Hand.
No. 1400.
Soft Moulding Irons.

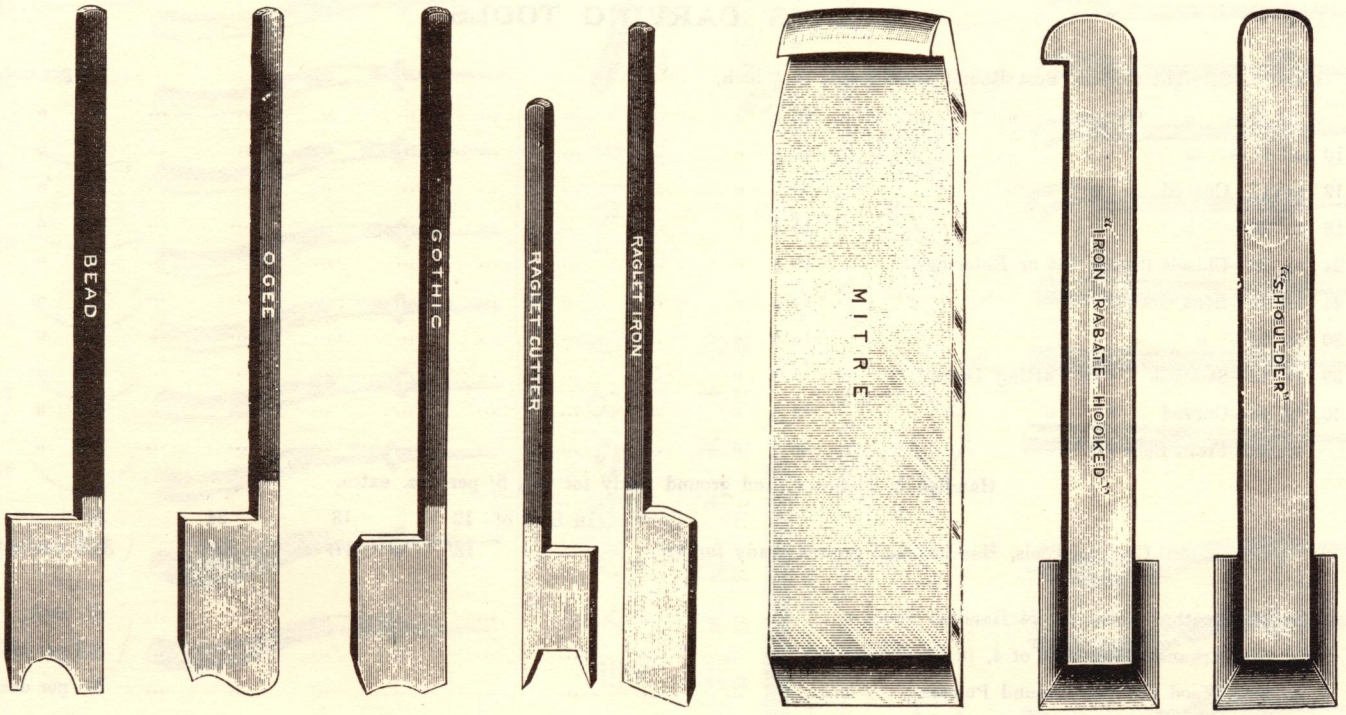
No. 1401.
Square Rabate.

No. 1402.
Skew Rabate.

Right Hand. Left Hand.
No. 1411. No. 1412.
Filletster Irons.

No. 1403.
Hollows and Rounds, or
Casement Irons.

No. 1404.
Pair Grooving Irons.



No. 1407.
Bead.

No. 1410.
Ogee.

No. 1408.
Gothic Sash.

No. 1406.
Raglet
Cutter.

No. 1405.
Raglet
Iron.

No. 1418.
Mitre Iron, with Nib.

No. 1414.
For Iron Rabate
Plane.

No. 1415.
For Shoulder
Plane.

No. 1413—For Chariot Plane.

No. 1416—For Bull-Nose Plane.

TRADESMEN'S CARVING TOOLS.

No.	⅛, ¼, ⅜, & ½	⅝	¾	⅞	1	1⅛	1¼	1⅜	1½	1⅝	1¾	1⅞	2	inch
1 and 2—Straight Chisels, Square, and Corner or Skew Mouth,	6/	6/	7/	8/	8/6	10/6	11/6	12/6	14/	15/6	17/	18/6	20/6	per doz.
3 to 9—Straight Gouges, ...	7/	7/	8/3	9/3	9/9	12/	13/6	14/6	16/6	18/	20/	21/6	24/6	"
10— " "	8/	8/	9/	12/	14/	16/	20/	24/	30/	33/	36/	39/	42/	"
11— " "	8/	9/	12/	14/	16/	20/	24/	30/	36/	39/	42/	46/	50/	"
12 to 18—Curved "	8/6	8/6	9/6	13/	15/	18/	20/	24/	28/	—	—	—	—	"
19 and 20— " "	8/6	10/6	13/	15/	18/	20/	24/	28/	34/	—	—	—	—	"
21 to 23—Chisels (Spoon Bit or Entering), ...	7/6	7/6	7/6	10/6	13/	15/	18/	20/	24/	27/	30/	33/	36/	"
24 to 30—Gouges, Front Bent, ...	8/6	8/6	9/6	13/	15/	18/	20/	24/	28/	—	—	—	—	"
31 and 32— " " "	8/6	10/6	13/	15/	18/	20/	24/	28/	34/	—	—	—	—	"
33 to 38— " Back Bent, ...	8/6	8/6	9/6	13/	15/	18/	20/	24/	28/	—	—	—	—	"
39, 41, 45—Straight V or Parting Tools, ...	10/6	13/	16/3	20/6	25/6	—	—	—	—	—	—	—	—	"
40, 42, 46—Curved V " "	11/6	14/	17/3	21/6	26/6	—	—	—	—	—	—	—	—	"
43 and 44—Front Bent V " "	11/6	14/	17/3	21/6	26/6	—	—	—	—	—	—	—	—	"

47—Veining Tools, ... assorted to ¼ inch,	...	...	...	...	...	...	...	8/	"
48 and 49—Macaroni Tools, ... " ⅜ "	...	...	...	...	...	...	...	14/	"
50—Spade or Fish Tail Chisels, " ⅝ "	...	...	...	...	...	...	...	6/	"
51—Dog-leg Chisels, Round Shanks, " ⅝ "	...	...	...	...	...	...	...	4/6	"

Handled in Boxwood, and ground ready for use, 5/ per doz. extra.

LADIES' CARVING TOOLS.

No.								
1 and 2—Straight Chisels, Best Round Shouldered, to ½ inch,	...	...	...	...	...	...	...	5/3 per doz.
3 to 9— " Gouges, " " to ½ "	...	...	...	...	...	...	...	6/ "
10 and 11— " " " " to ½ "	...	...	...	...	...	...	...	7/3 "
12 to 17—Curved " " " to ½ "	...	...	...	...	...	..	...	7/6 "
18 to 20— " " " " to ½ "	...	...	...	...	...	...	...	8/6 "
21 to 23—Chisels (Spoon Bit or Entering), to ½ "	...	...	...	...	...	...	...	7/ "
24 to 29—Bent Gouges to ½ "	..	...	...	...	...	...	...	7/6 "
30 to 32— " " to ½ "	...	...	...	...	...	...	...	8/6 "
39, 41, 45—Straight V or Parting Tools, to ½ "	...	...	...	...	...	...	...	7/6 "
40, 42, 46—Curved V " " to ½ "	...	...	...	...	...	...	...	8/6 "
43, 44—Front Bent V " " to ½ "	...	...	...	...	...	...	...	8/6 "

Handled in Boxwood, and ground ready for use, 5/ per doz. extra.

	In Sets of 12	18	24	36	
60—Ladies' Carving Tools, Handled and ground ready for use, ...	12/	17/	22/6	33/9	per set

55—Leather Rolls, for 24 Handled Tools, ...	5/	each
56—Arkansas Slips, set of 4, in Cardboard Box, ...	3/6	per set
1 to 24—Wood Carvers' Ground Punches, ...	8/	per doz.

CARVERS' SCREWS.

Sizes,	8 × ⅜	10 × ⅜	8 × ½	10 × ½	12 × ½	10 × ⅝	12 × ⅝	inch
57—Carvers' Screws, ...	4/3	5/	4/3	5/	6/9	6/	7/3	each

For Illustration, see page 71.

CARVERS' TOOLS.

COOPERS' TOOLS.

JOINTERS.

No.		To 4	4½	5	5½	6 feet
1680	Jointers, Single Iron, ...	16/6	17/	17/6	18/6	19/ each
1681	" Double Iron, ...	18/6	19/	19/6	20/6	21/ "
1682	" 2 Mortises and 2 Double Irons, 6 feet long, ...					30/ "

For Jointer Irons, see page 53.

COOPERS' SMOOTHING PLANES.

1683	Stoup Plane, Round both ways, ... 2 in. Single Iron, ...	4/3 each
1684	" " " ... ... 2 in. Double Iron, ...	4/9 "
1685	Smoothing Plane, Round across, ... 2 in. Single Iron, ...	4/3 "
1686	" " " ... .. 2 in. Double Iron, ...	4/9 "
1687	Bowling Plane, Round length ways, ... 2 in. Single Iron, ...	4/3 "
1688	" " " ... ... 2 in. Double Iron, ...	4/9 "

For Smoothing Plane, Flat, Plain, or with Plated Steel Sole, see page 1.
" *Plane Irons,* ... ... " 53.

SUN PLANES, PLUCKERS, CHEVES, &c.

		10	12	17 in. long
1689	Sun Plane, Right Hand, ...	8/6	8/6	10/6 each
1690	" " Plated Steel Sole, ...	12/6	12/6	14/6 "
1691	" Left Hand, ...	8/6	8/6	10/6 "
1692	" " Plated Steel Sole, ...	12/6	12/6	14/6 "

These Planes are also called Topping Planes and Circular Jack Planes.

		2½	3	3½	4	4½	5 in. Iron
1693	Head Plucker or Swift, ...	9/	9/9	10/6	11/6	12/6	13/ each
1694	" " Plated on Face, ...	11/9	12/6	13/6	14/6	15/9	16/6 "
1695	Side Plucker or Barrel Jarvice, ... Iron on Face, 11/; No. 1696—Plain Face, ...					9/6	"
1697	Barrel Spokeshave, 1¾ in. Double Iron, ... Iron on Face, 10/; No. 1698—Plain Face, ...					8/9	"
1699	Cheve, with Fence Screwed on, ...					5/	"
1700	" with Iron on Fence, ...					7/3	"

1701—Flincher, same price as Cheve.

For Cheve Irons, see page 53.

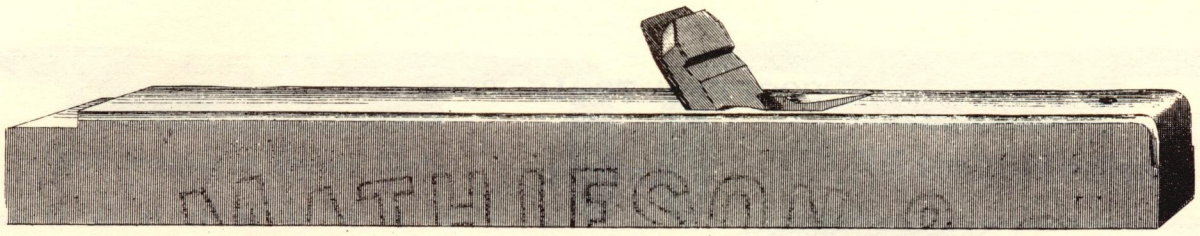
CROZE IRONS and BOARDS.

		To 1¼	1½	1¾	2	2¼	2½ inch
1705	Improved Croze Iron, Single, with Lifter, ...	1/10	2/	2/2	2/3	2/4	2/6 each
1706	" " with Cover to 1½ in. broad, Firkin, ...						3/ "
	" " " " 1¾ in. " Half-Barrel, ...						3/3 "
	" " " " 2 in. " Barrel, ...						3/6 "
	" " " " 2¼ in. " Hogshead, ...						3/9 "
	" " " " 2½ in. " Puncheon, ...						4/ "
1707	Improved Croze Iron and Board, without Cover, 10 × 4 in., ...						5/ "
1708	" " " with Cover, 14 × 4½ in., Firkin, ...						6/6 "
	" " " " " 16 × 5½ in., Half-Barrel, ...						7/6 "
	" " " " " 20 × 7 in., Barrel, ...						8/6 "
	" " " " " 24 × 8 in., Hogshead, ...						9/6 "
	" " " " " 28 × 10 in., Puncheon, ...						10/6 "
1709	Patent Croze Iron, with Shifting Cutters and Lifter, to Cut $\frac{3}{16}$, $\frac{1}{4}$, or $\frac{5}{16}$ in., ...						3/6 "

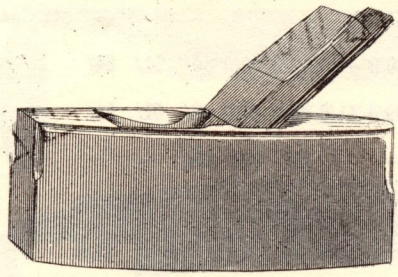
COOPERS' SPOKESHAVES.

1702	Spokeshaves, Wood, with 4 in. Iron, ...	2/3 each
1703	" Iron, " 2⅛ "	1/10 "
1704	" " " 3 " 2 Wood Handles, ...	3/3 "

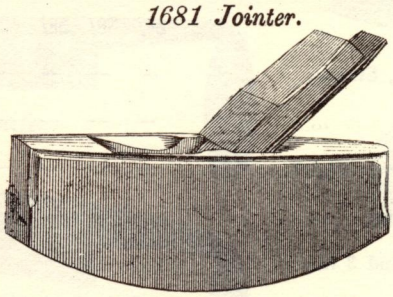
COOPERS' TOOLS



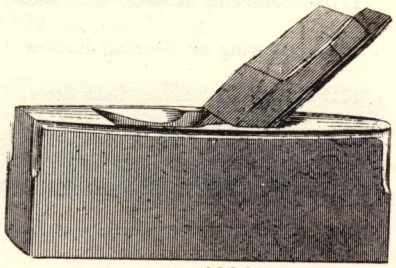
1681 Jointer.



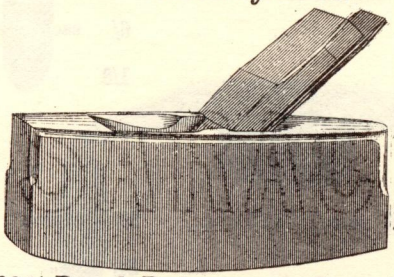
Smoothing Plane.



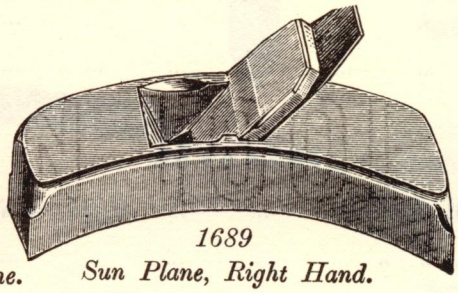
1688 Round Lengthways, or Bowling Plane.



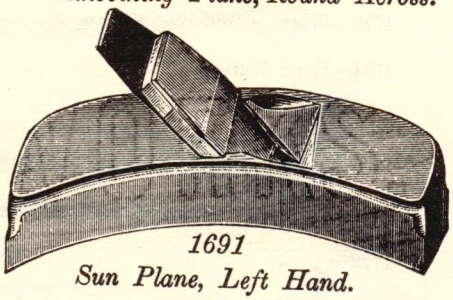
1686
Smoothing Plane, Round Across.



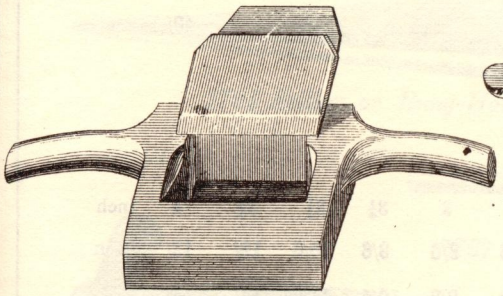
1684 Round Both ways, or Stoup Plane.



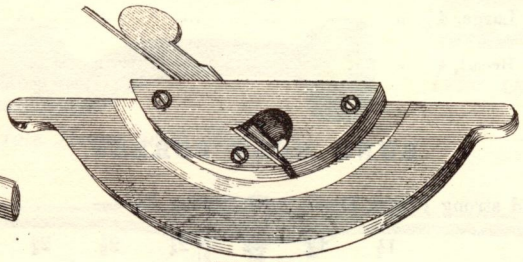
1689
Sun Plane, Right Hand.



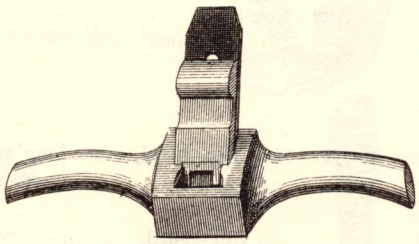
1691
Sun Plane, Left Hand.



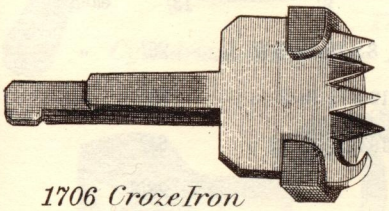
1693 Head Plucker or Swift



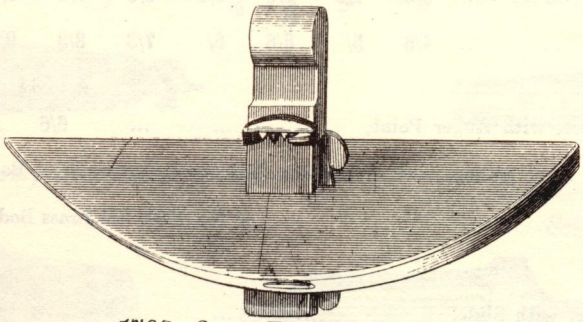
1700 Cheve



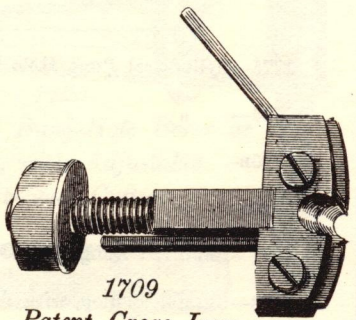
1698 Barrel Spokeshave



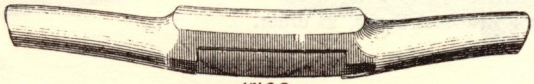
1706 Croze Iron



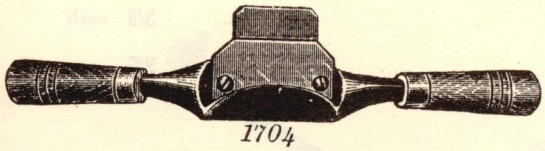
1708 Croze Iron and Board



1709
Patent Croze Iron,
with Shifting Cutter.



1702
Wood Spokeshave.



1704
Iron Spokeshave, with Wood Handles.

1703 Iron Spokeshave

COOPERS' TOOLS—*Continued.*

KNIVES.

No.	6	7	8	9	10	11	12	13	14	15	16	inch
1715—Hollowing Knives, Cast Steel, Strong, ...	34/	36/	38/	40/	41/	—	—	—	—	—	—	per doz.
1716—Drawing or Backing Knives, Cast Steel, Strong, ...	—	—	—	—	39/6	41/6	43/6	46/6	49/	51/	54/	"
1717—Heading Knives, Cast Steel, Strong, ...	—	—	—	—	39/6	41/6	43/6	46/6	49/	51/	54/	"
1718— " " " " Circle Edged, ...	—	—	—	—	—	—	50/	53/	55/	—	—	"
1719—Crum Knives or Jiggers, Small, to 2½ in., ...											36/6	"
1719— " " Mid, 2¾ and 3 in., ...											37/6	"
1719— " " Large, 3½ to 4½ in., ...											40/	"
1720—Froes or Splitting Knives, ...											6/	each
1721—Hand Knives, ...											1/8	"

INSHAVES.

1722—One-hand Inshave, Cast Steel, Small, 2½ in., ...	33/ per doz.
1722— " " " Mid, 3 "	34/ "
1722— " " " Large, 4 "	45/ "
1723—Two-hand " " Broad, 4 "	40/ "

BUNG HOLE BORERS.

1724—Best Cast Steel, extra long and strong Bright Shells, with Strong Eyes—

	1½	1¾	2	2¼	2½	2¾	3	3¼	3½	3¾	4	inch
Unhandled, ...	3/9	4/3	4/9	5/3	6/6	7/6	8/6	9/6	10/6	12/	13/	each
Handled, ...	4/6	5/	5/6	6/	7/3	8/3	9/3	10/6	11/6	13/	14/	"

	⅝ to 1½	1⅝ to 2	1¾ to 3	inch
1725—Cylindrical Bung Hole Borers, with Auger Point, ...	6/6	9/	13/	each

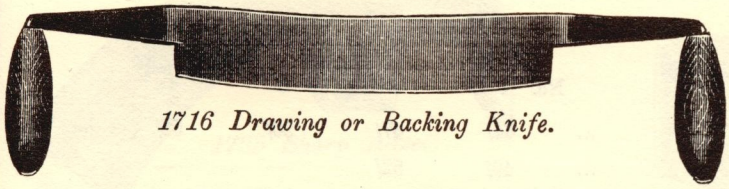
1726— " " " or Scillop, with Adjustable Cast Steel Cutter, Steel Body, 8×1¾ to 3 in.,	26/ "
1726B— " " " " " as No. 1726, but Brass Body, 12×1½ to 3 "	53/ "
1726B— " " " " " " " " 16×1¾ to 3⅜ "	64/ "
1727—Improved Bung Hole Cutter, with Slide, ...	28/6 "

1728—Bushing Scillop, with Adjustable Cast Steel Cutter for Metal Bung Hole Bushes, for Brewers' Casks, to order.

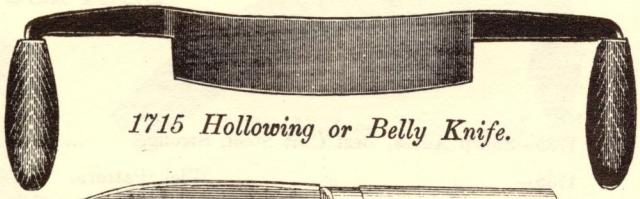
1730—Fixing Key for Metal Bushes, for Brewers' Casks, to order.

1729—Coopers' "Devil," with Ball Head, ...	3/3 each
1729A— " " " Plain "	2/6 "

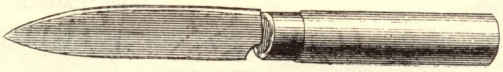
COOPERS' TOOLS (Continued)



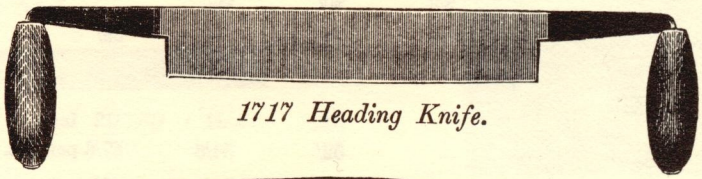
1716 Drawing or Backing Knife.



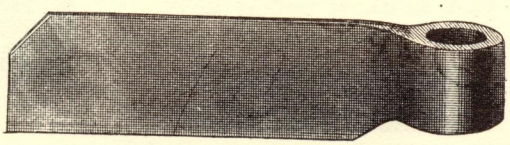
1715 Hollowing or Belly Knife.



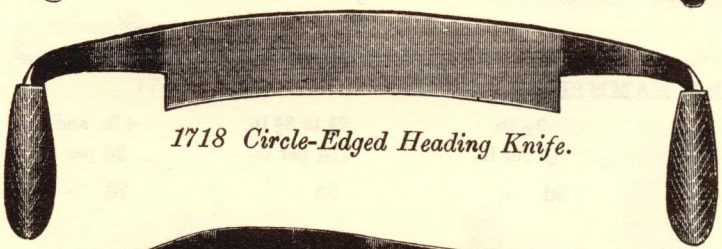
1721 Hand Knife.



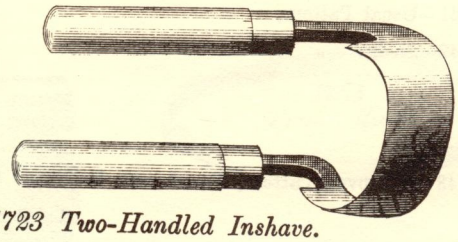
1717 Heading Knife.



1720 Splitting Knife or Froe.

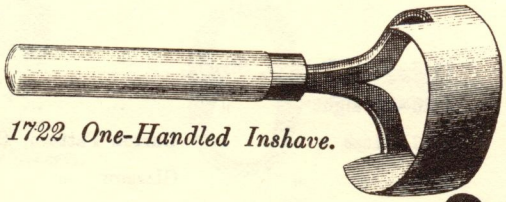


1718 Circle-Edged Heading Knife.

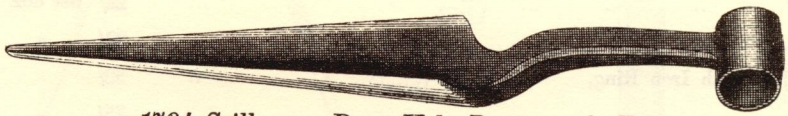


1723 Two-Handled Inshave.

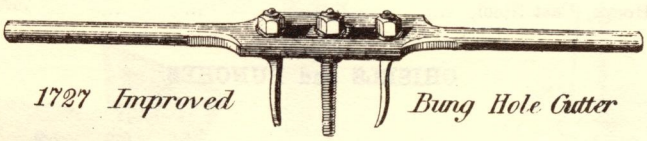
1719 Crum Knife or Jigger.



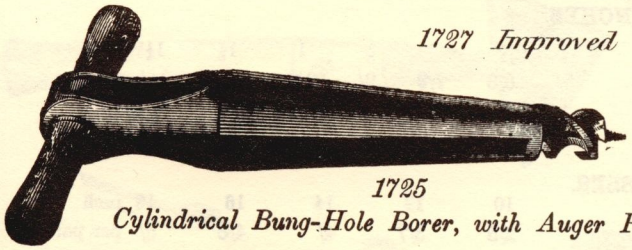
1722 One-Handled Inshave.



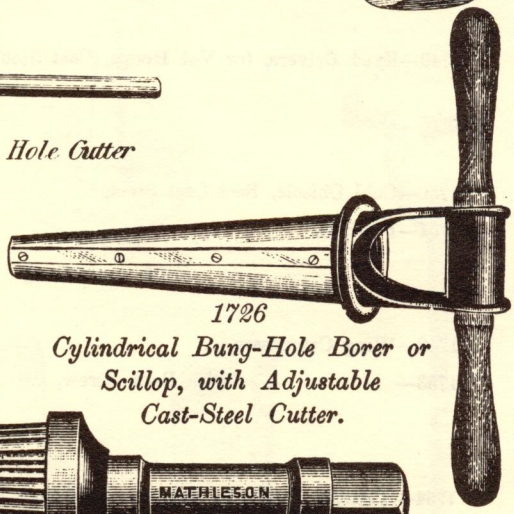
1724 Scillop, or Bung-Hole Borer, with Eye.



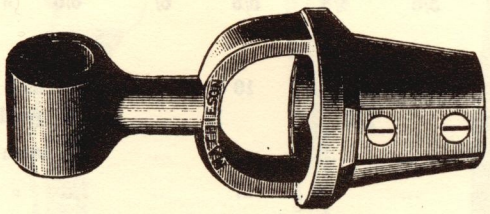
1727 Improved Bung Hole Cutter



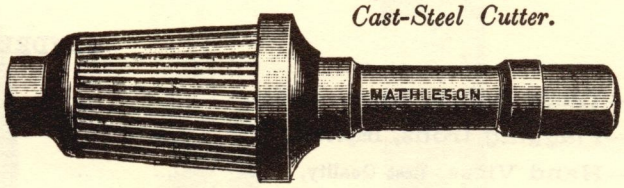
1725
Cylindrical Bung-Hole Borer, with Auger Point.



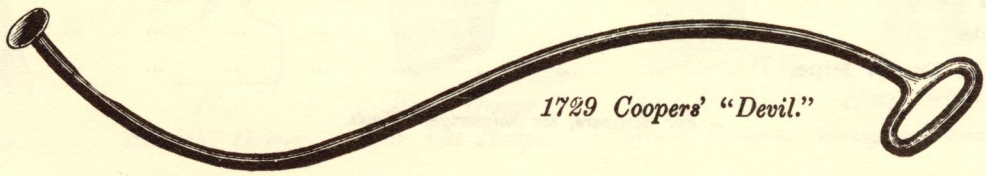
1726
Cylindrical Bung-Hole Borer or Scillop, with Adjustable Cast-Steel Cutter.



1728 Bushing Scillop.



1730 Fixing Key.



1729 Coopers' "Devil."

COOPERS' TOOLS—*Continued.*

ADZES.

No.		No. 1	2	3	4	
1735	Sharp Adzes, Best Cast Steel, Strong,	44/	47/	50/	55/	per doz.
1736	" " " Wick Pattern,	49/	52/	—	—	"
1737	Blunt or Nail Adzes, Best Cast Steel, Strong,	43/	45/	48/	—	"
1738	Stowing Adzes, " " "	—	—	—	58/	"

AXES.

		10	11	12 inch	
1739	Best Cast Steel, Light,	52/	54/6	57/6	per doz.
1740	" " Heavy,	60/	63/	66/	"

COOPERS' HAMMERS.

		2½ lb.	2¾ to 3¾ lb.	4 lb. and up.
1741	Usual Pattern,	1/ per lb.	11d per lb.	9d per lb.
1742	Sledge "	9d "	8d "	7d "

ANVILS or BICK IRONS.

		15	20 to 30	31 to 40	41 to 50	51 to 60 lb.
1743	Improved Pattern, Faced with Best Cast Steel,	11d	10d	9d	8d	7d per lb.

The leading sizes average 30 to 45 lb. weight.

DRIVERS.

1745	Bent Drivers, Strong,	22/ per doz.
1746	Straight " "	22/ "
1747	Hose " " Burton Pattern, Handled, with Iron Ring,	30/ "
1748	" " " Glasgow " " " "	35/ "

		4	5	6 lb.
1749	Eyed Drivers, for Vat Hoops, Cast Steel,	3/6	4/	4/9 each

CHISELS and PUNCHES.

		½	⅝	¾	⅞	1	1⅛	1¼ inch	
1750	Cold Chisels, Best Cast Steel,	5/	6/6	7/9	9/	9/6	11/6	14/	per doz.
1751	Punches, " "							8/6	"

WING COMPASSES.

		10	12	14	16	18 inch	
1752	Wing Compasses,	2/5	3/7	4/	4/6	5/	per pair
1753	" " with Back Screw,	3/6	4/8	5/6	6/	6/6	"

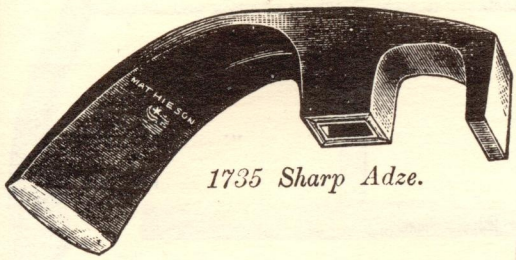
SUNDRIES.

		To 10	10 to 20	above 20 inch	
1754	Truss Hoops, Superior Quality,	1/2	1/	/11	per lb.
1755	Flagging Irons, Improved,			3/6	each
1756	Hand Vices, Best Quality,			1/8	"

		⅜	7/16	½	⅝	¾ inch	
1757	Dowling Mill,	5/6	6/	6/6	8/	13/	each
1758	Rivet Sets,					1/3	"
1759	Hollow or Draw Pipe,					1/9	"

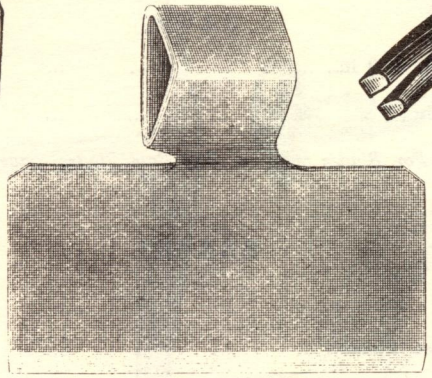
For Scrapers, see Shipwrights' Tools.

COOPERS' TOOLS (Continued)



1735 Sharp Adze.

1737 Nail or Blunt Adze.



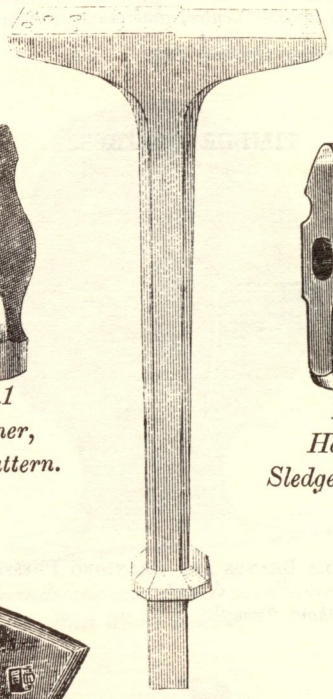
1740 Coopers Axe

1759 Hollow or Draw Pipe.

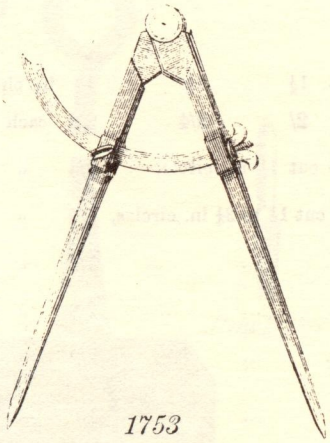
1750 Chisel

1758 Rivet Set.

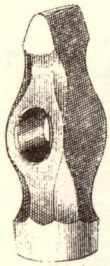
1751 Punch



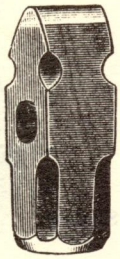
1740 Coopers Axe



1753
Compasses, with Back Screw.

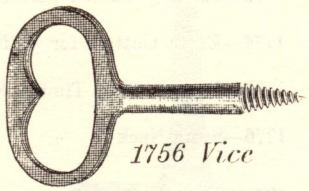


1741
Hammer,
Usual Pattern.



1742
Hammer,
Sledge Pattern.

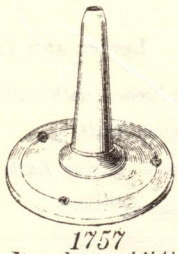
1754
Truss Hoop



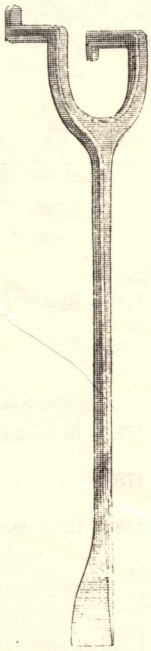
1756 Vice

Scraper.

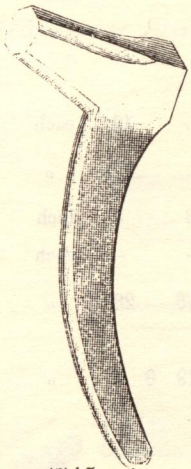
1743 Anvil.



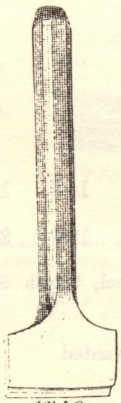
1757
Dowling Mill



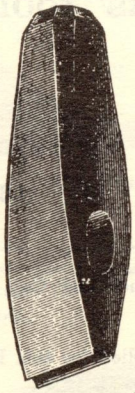
1755
Flagging Iron



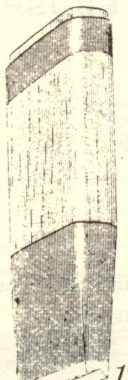
1745
Bent Driver.



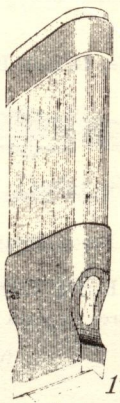
1746
Straight Driver.



1749
Eyed Driver
for Vat Hoops.



1747
Hose Driver,
Burton Pattern.



1748
Hose Driver,
Glasgow Pattern.

COOPERS' TOOLS—*Continued.*

SAWS.

No.

1765—Head Saw, with Frame, 22 × ½, ⅝, or ¾ in., ... 7/3 each

1765s—Side Saw, " 22 × 1½ in., ... 7/9 "

For Blades only, see Bow Saw Blades, page 22.

BRACES.

1766—Iron Braces, with Thumbscrew, ... 4/ each

1767— " " Best, Paned, ... 4/6 "

1768—Wood Braces, with Thumbscrew Pad for Square Tang Bits, or with Improved Spring Pad for Flat Tang Bits, 4/9 "

For Coopers' Dowling, Centre, and other Bits, see page 40.

" *Screw Dowling Bits.* ... " 43.

TIMBER SCRIBES.

	To cut 1¼	1½	1¾ in. circles
1770—Ordinary Pattern, Round Handle, ...	2/	2/4	2/8 each
1771—Wick " Oval "	to cut 1¼ in. circle,		2/4 "
1772—Shifting Timber Scribe, ...	to cut 1⅛ to 3¼ in. circles,		5/ "
1774—Extra Cutters for Shifting Timber Scribes, ...			1/8 "
1775—Pocket Clasp Timber Scribes, ...			2/8 "
1776—Swan-Neck " "			2/2 "
1777—Bung Starts, ...			1/6 "

LETTER AND FIGURE BRANDS AND BRANDING PRESSES TO ORDER.

For Grindstones, with and without Troughs, ... *see Index.*

" *Gauging Rods,* ... ... " "

" *Coopers' Boring Lathe,* ... ... " *page 78.*

BRUSHMAKERS' TOOLS.

No.

1780—Blocking Knife, 10 inch Blade, ... 13/ each

1781 " 10 " with Eye Bolt, ... 17/ "

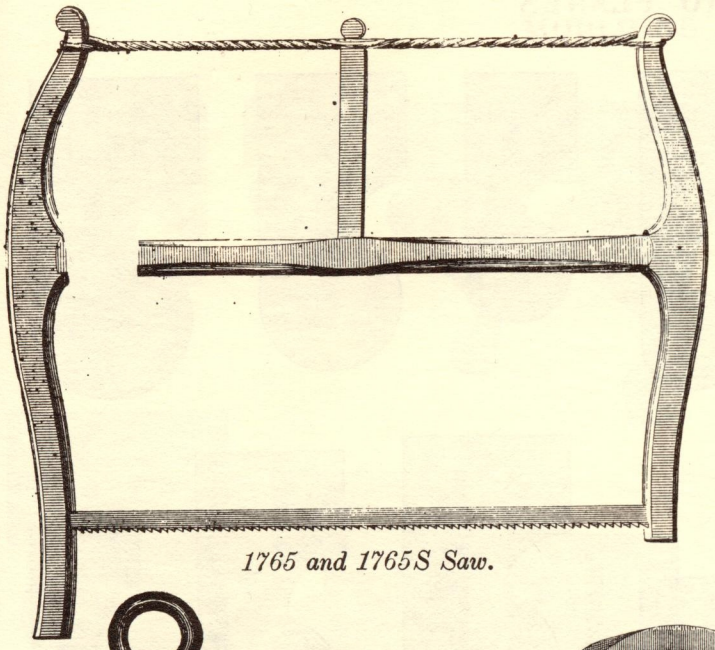
	8	9	10	11	12	13	14	inch
1782—Brushmakers' Hand Shears, ...	10/	11/3	12/6	14/6	16/6	—	—	each
1783— " Bench Shears, ...	—	—	17/6	19/6	21/6	23/6	26/	"

1784—Brushmakers' Boring Lathe, Best Finished, 5 inch, with Chuck and Cap, Fly Wheel, Crank Shaft with Centres to work in, and Treadle, ... £9 0 0 "

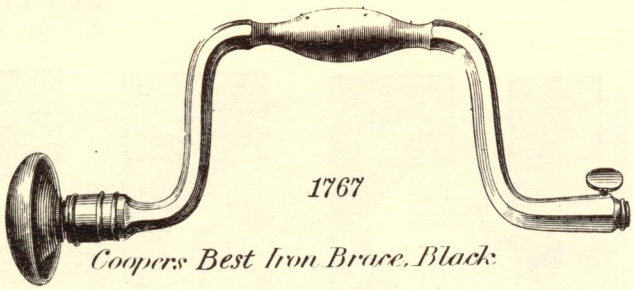
Wood Standard and Bed can be supplied for this Lathe if wanted.

For Brushmakers' Bits, see page 40.

COOPERS' TOOLS, (Continued)

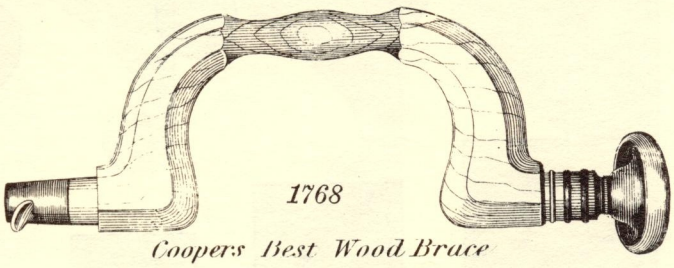


1765 and 1765S Saw.



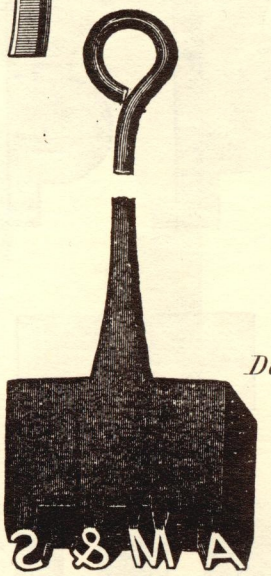
1767

Coopers Best Iron Brace, Black.



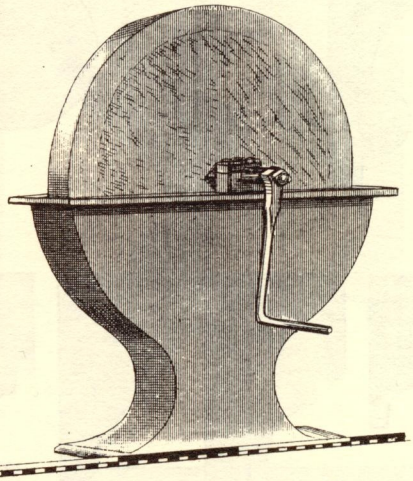
1768

Coopers Best Wood Brace

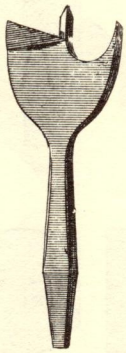


Brand.

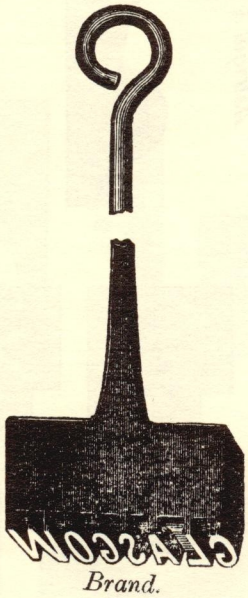
Dowl Bit



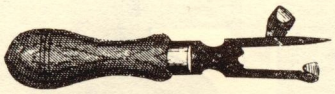
Grindstone and Cast Iron Frame With Winch Handle.



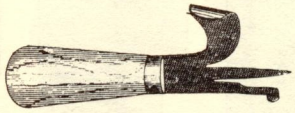
Centre Bit



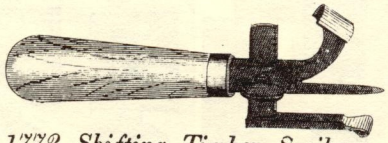
Brand.



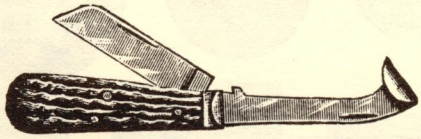
1770 Timber Scribe, Round Handle.



1771 Timber Scribe, Wick Pattern.

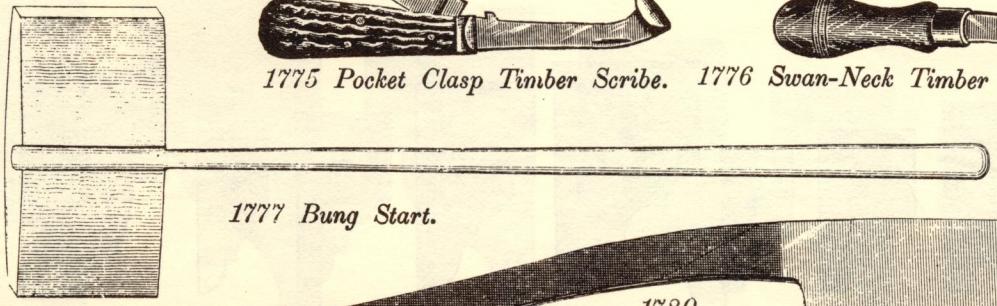


1772 Shifting Timber Scribe.

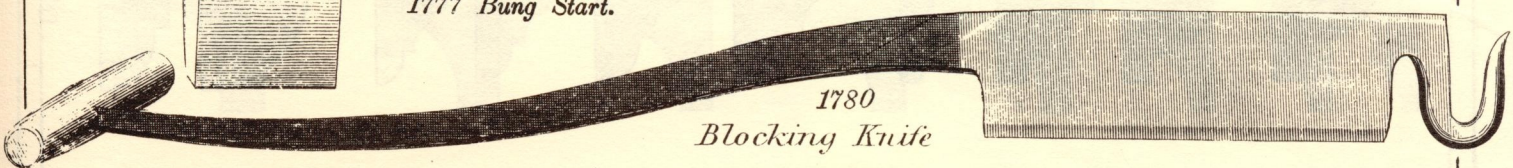


1775 Pocket Clasp Timber Scribe.

1776 Swan-Neck Timber Scribe.



1777 Bung Start.



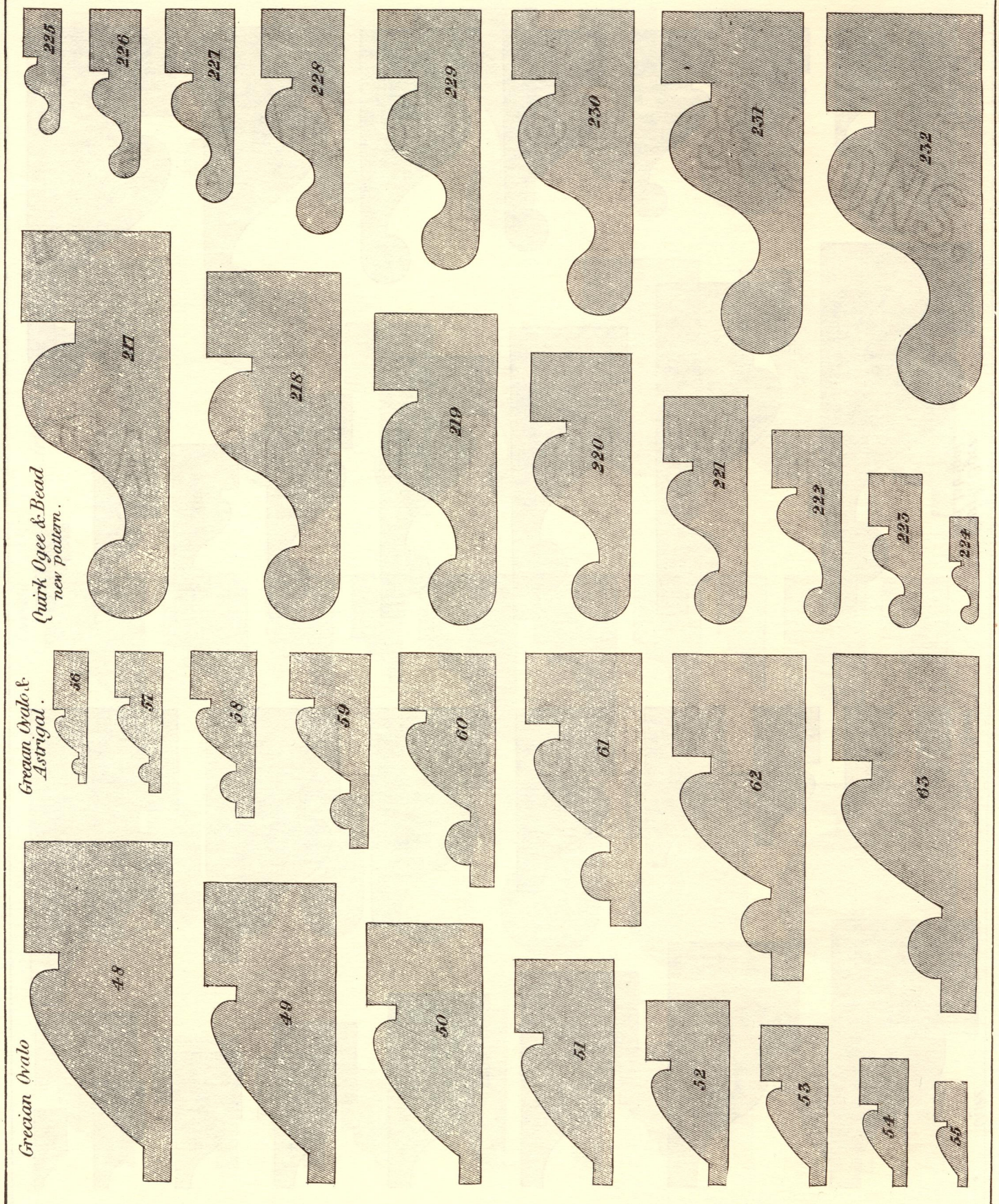
1780

Blocking Knife

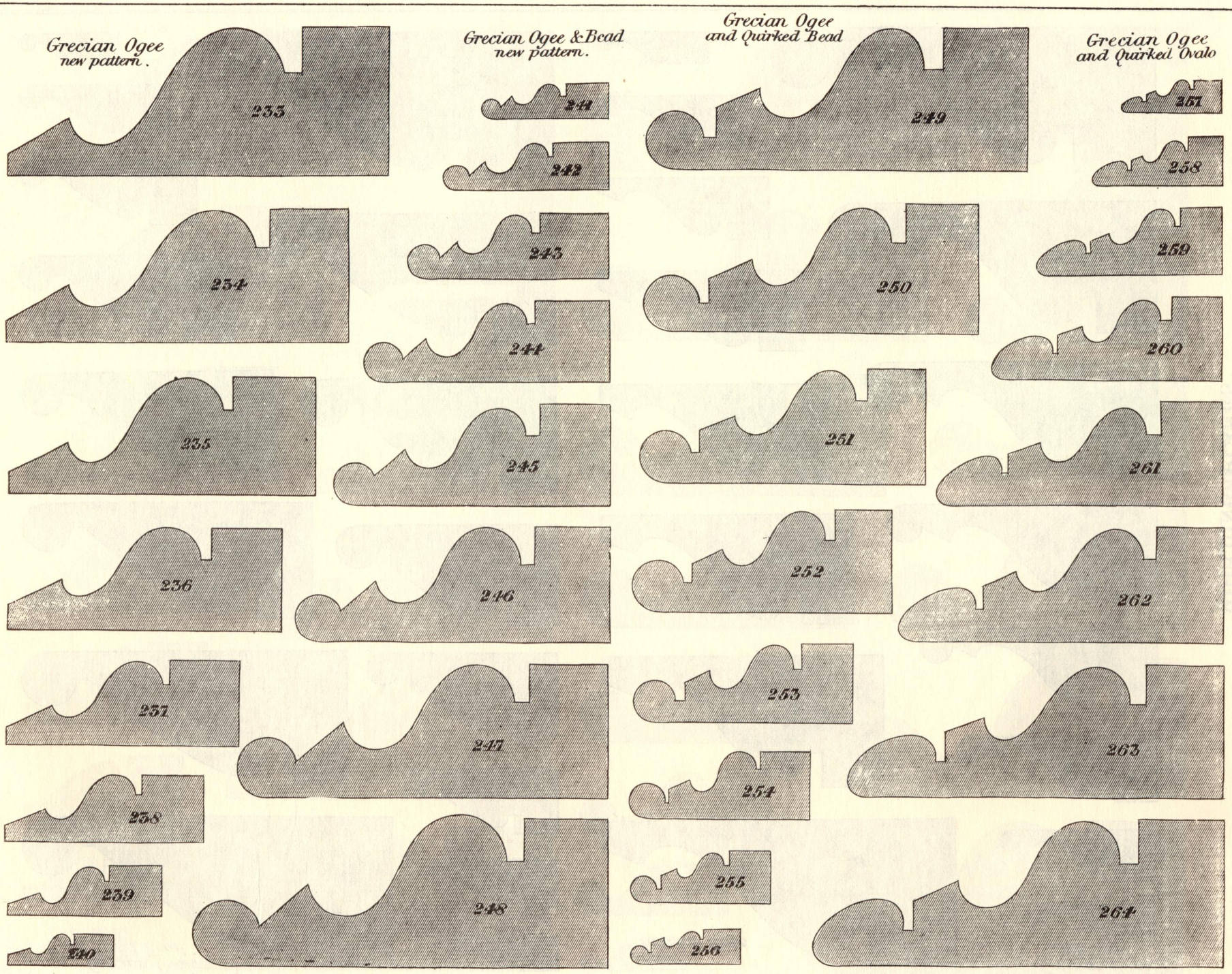
MOULDING PLANES

MOULDING PLANES

MOULDING PLANES



MOULDING PLANES


Grecian Ogee new pattern.
233
Grecian Ogee & Bead new pattern.
241
242
Grecian Ogee and Quirked Bead
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Grecian Ogee and Quirked Ovalo
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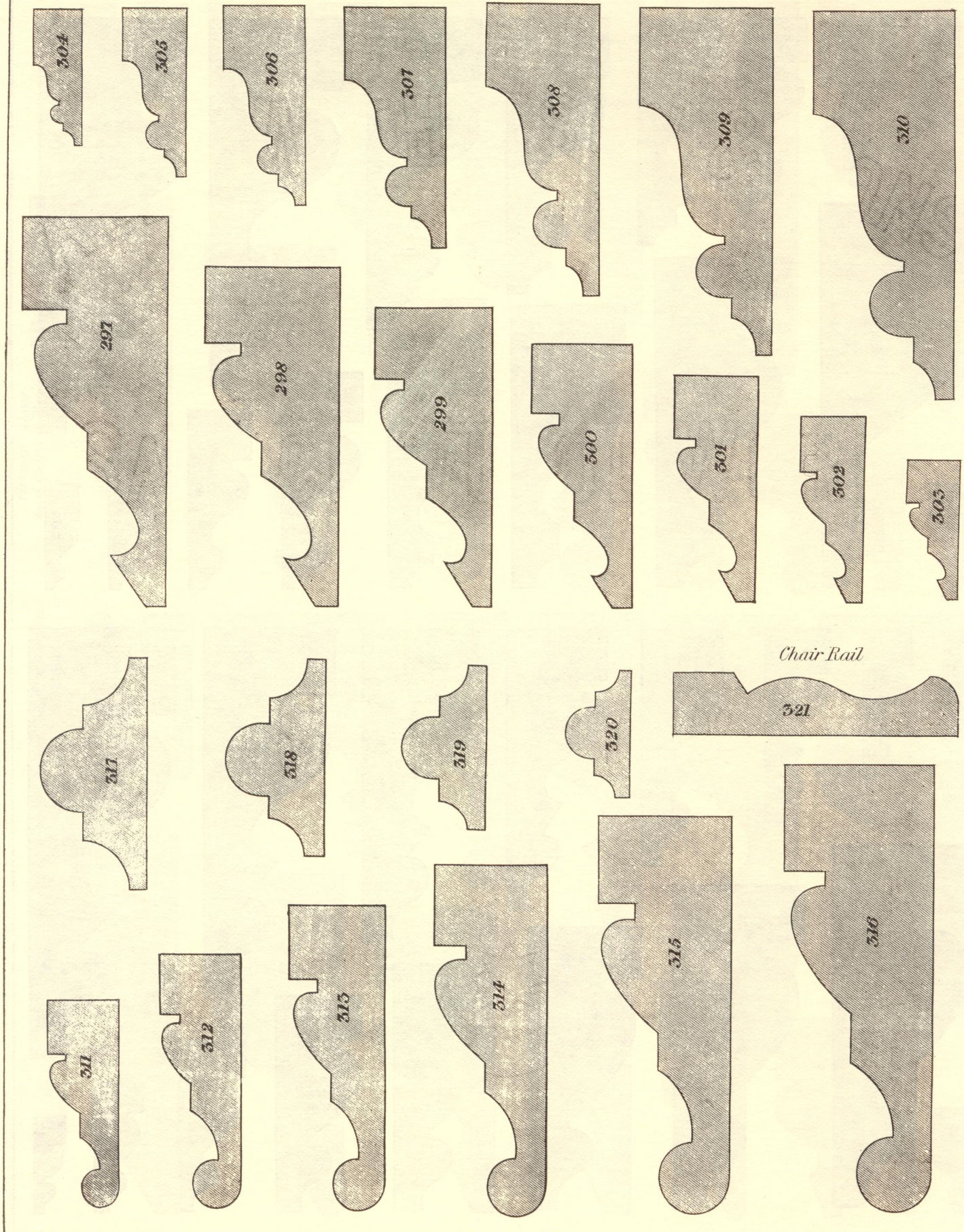
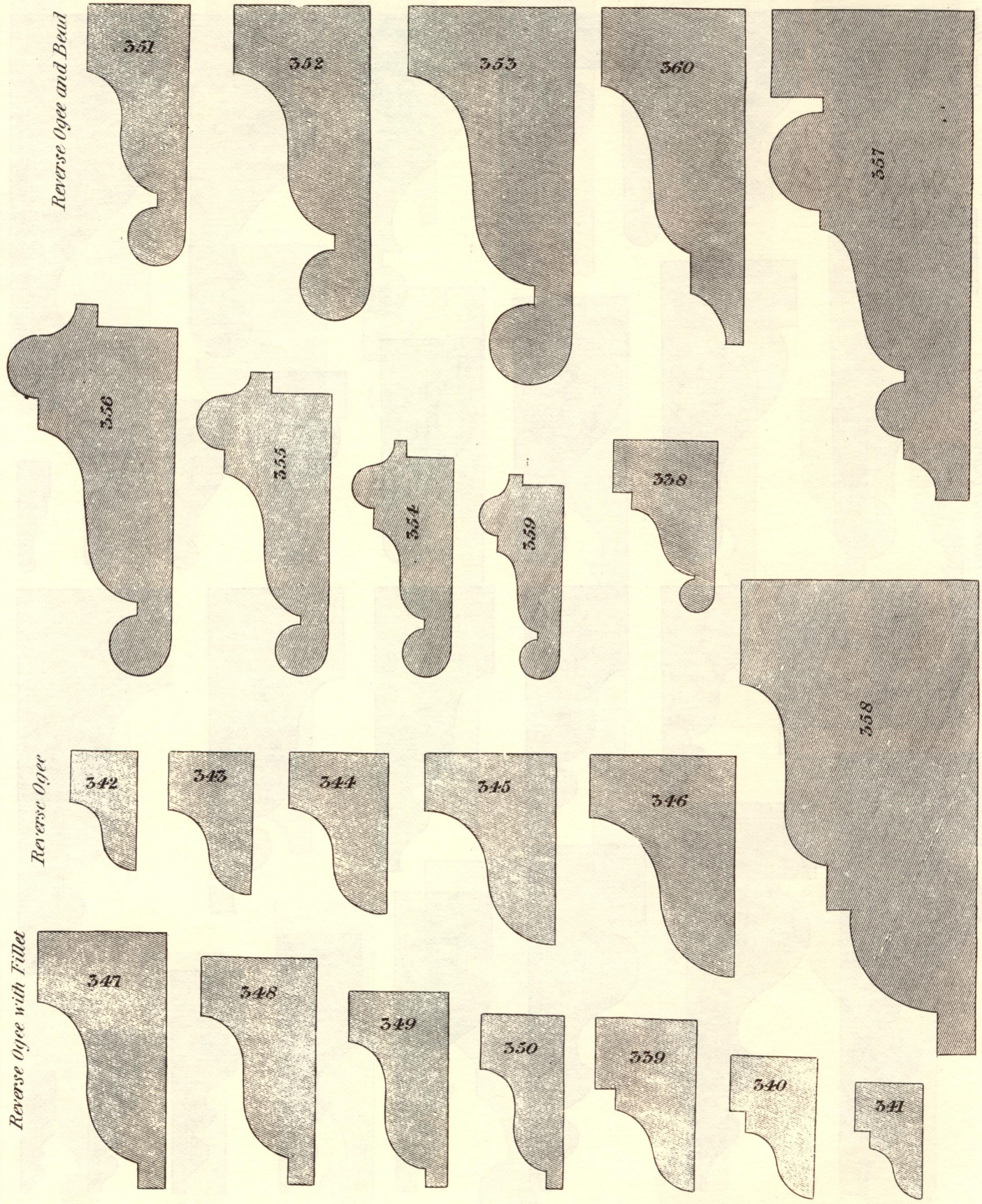
MOULDING PLANES

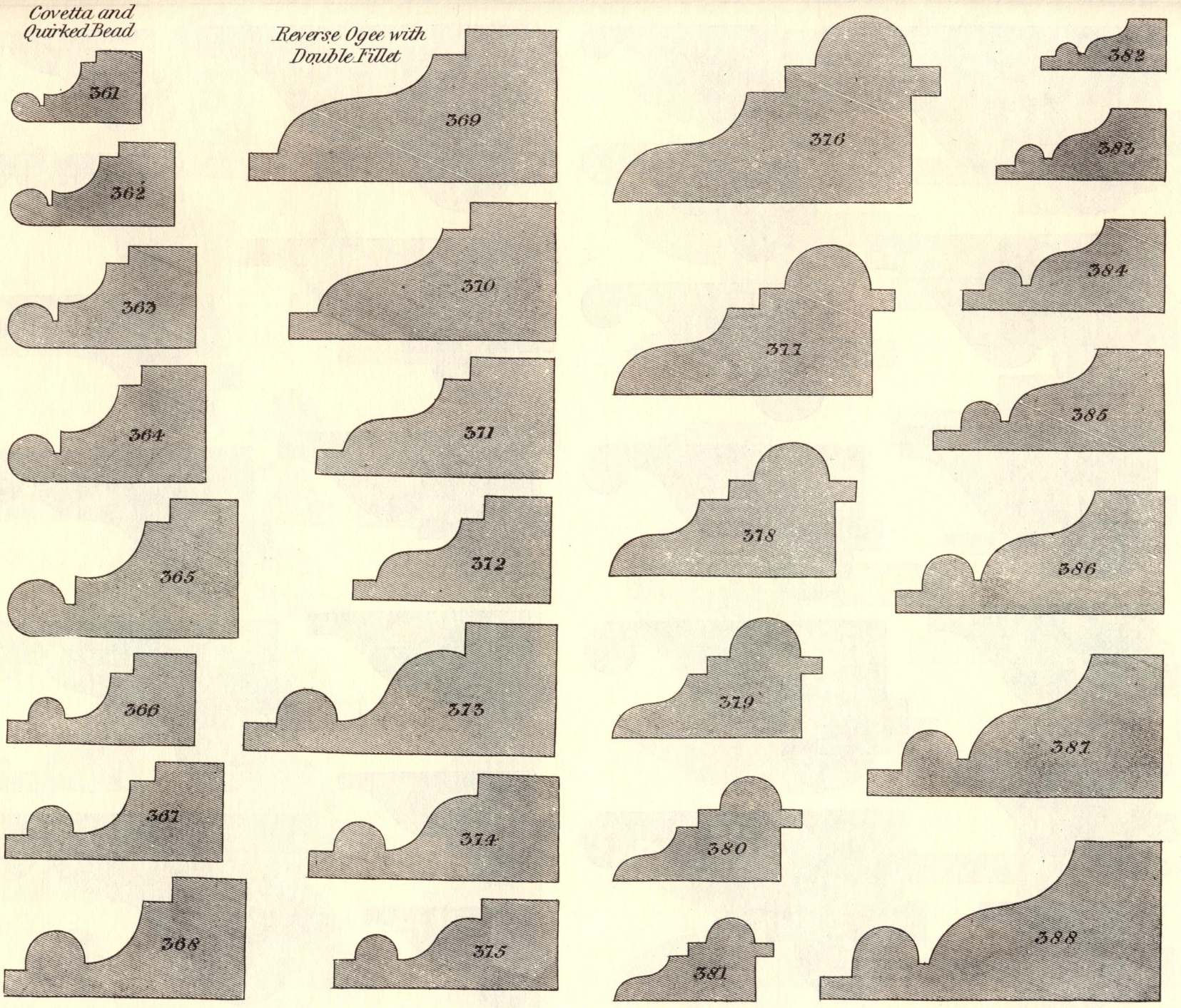
MOULDING PLANES



MOULDING PLANES

MOULDING PLANES




Covetta and Quirked Bead
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Reverse Ogee with Double Fillet
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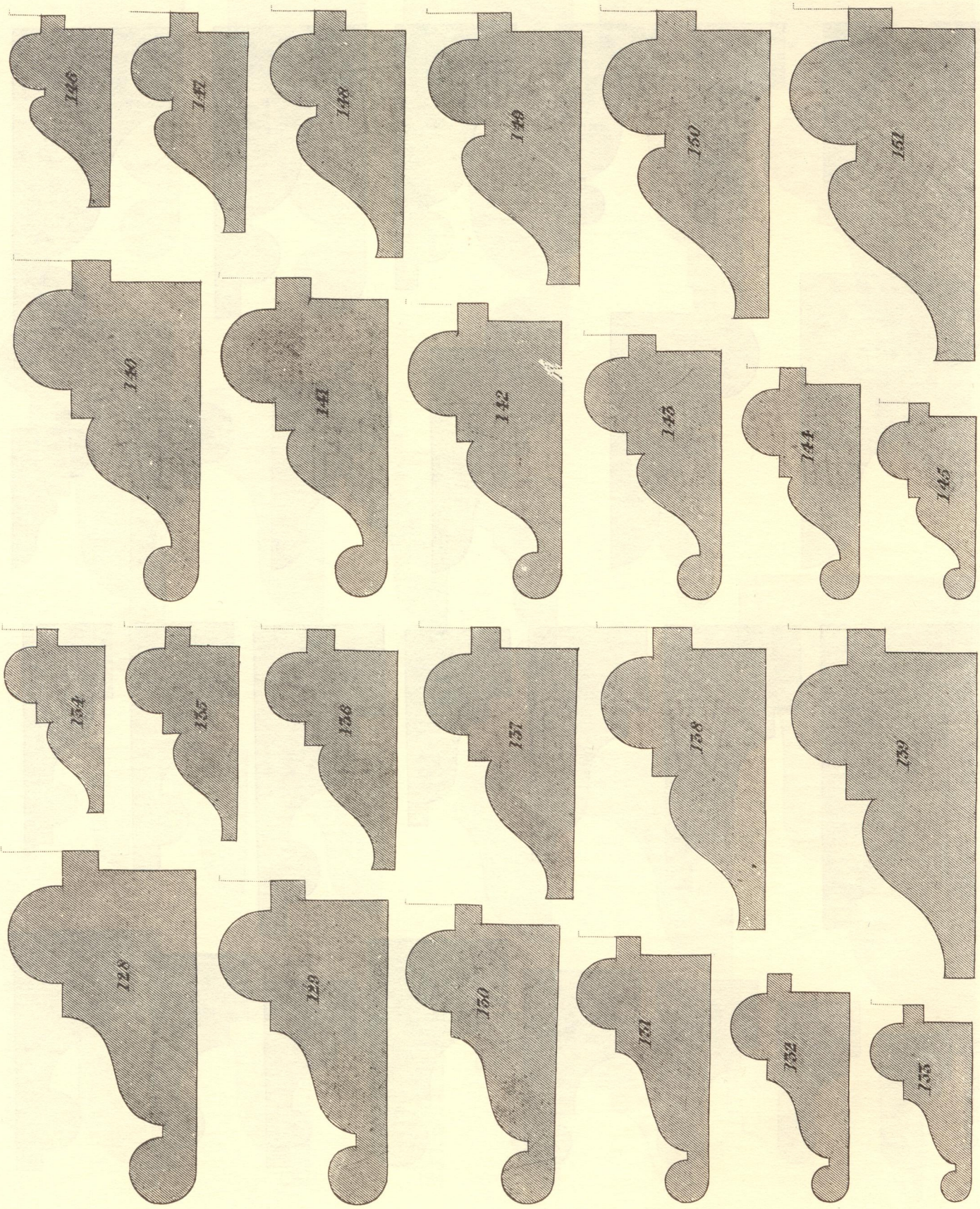
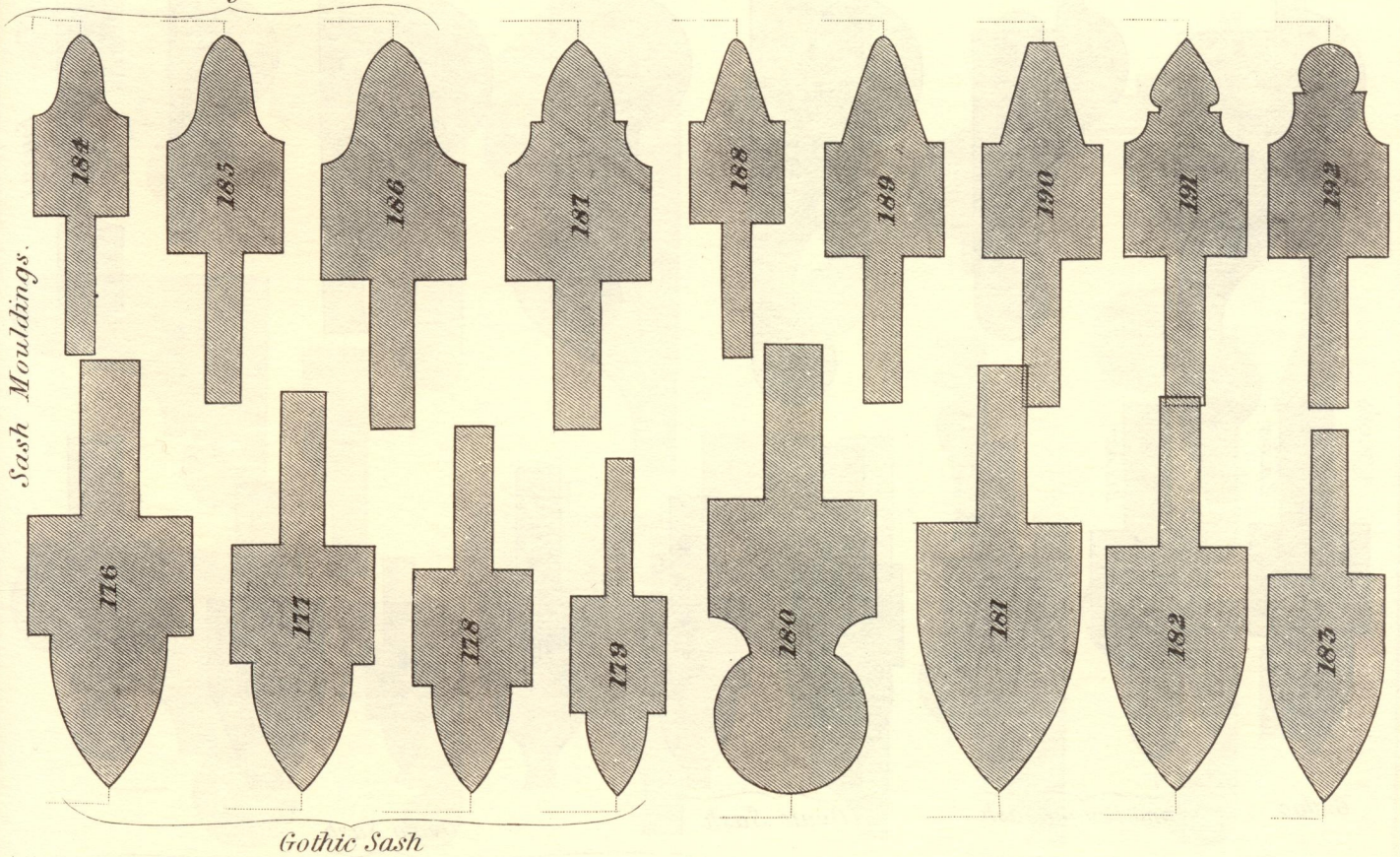
MOULDING PLANES



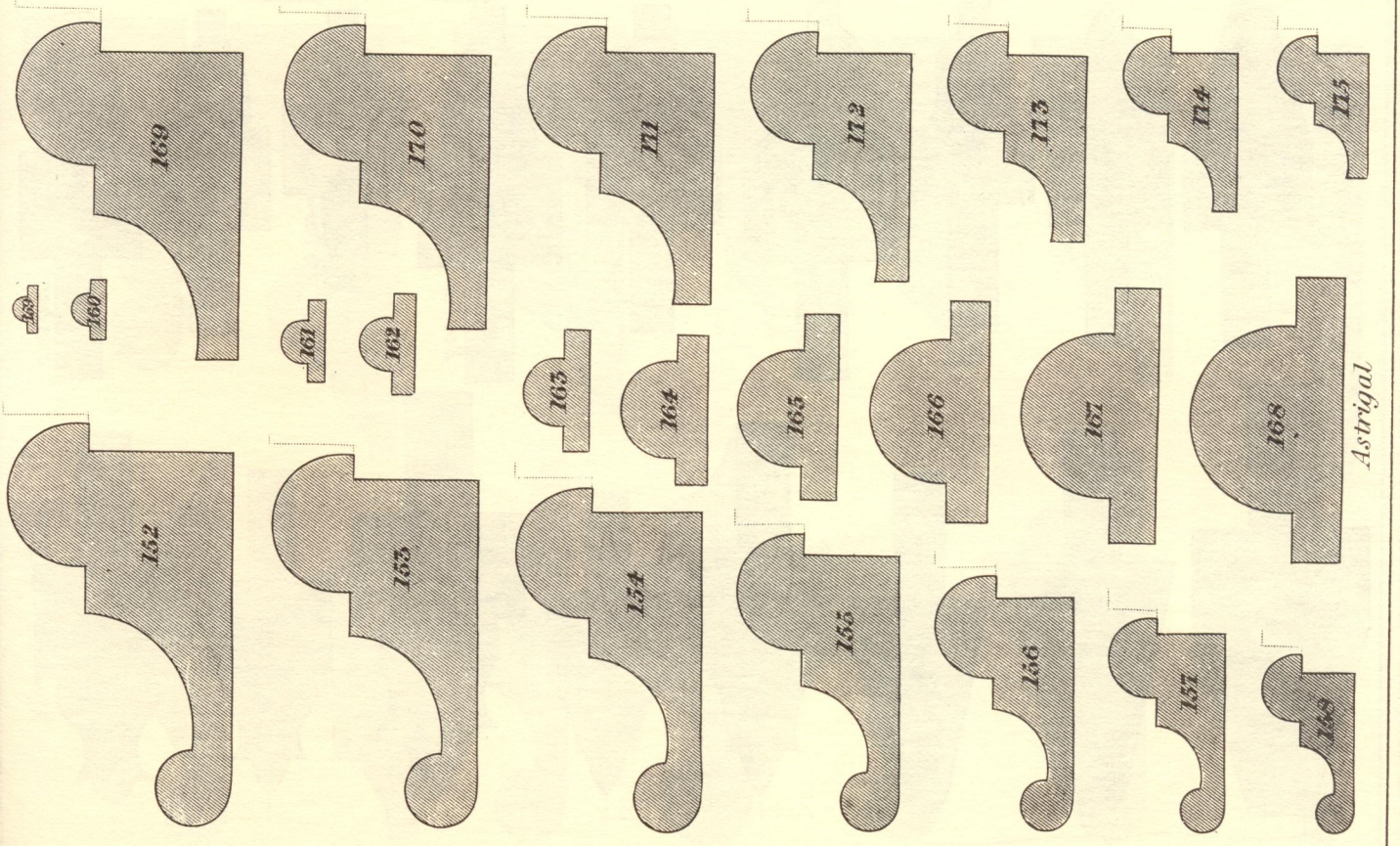
MOULDING PLANES

Lamb Tongue Sash

Sash Mouldings.

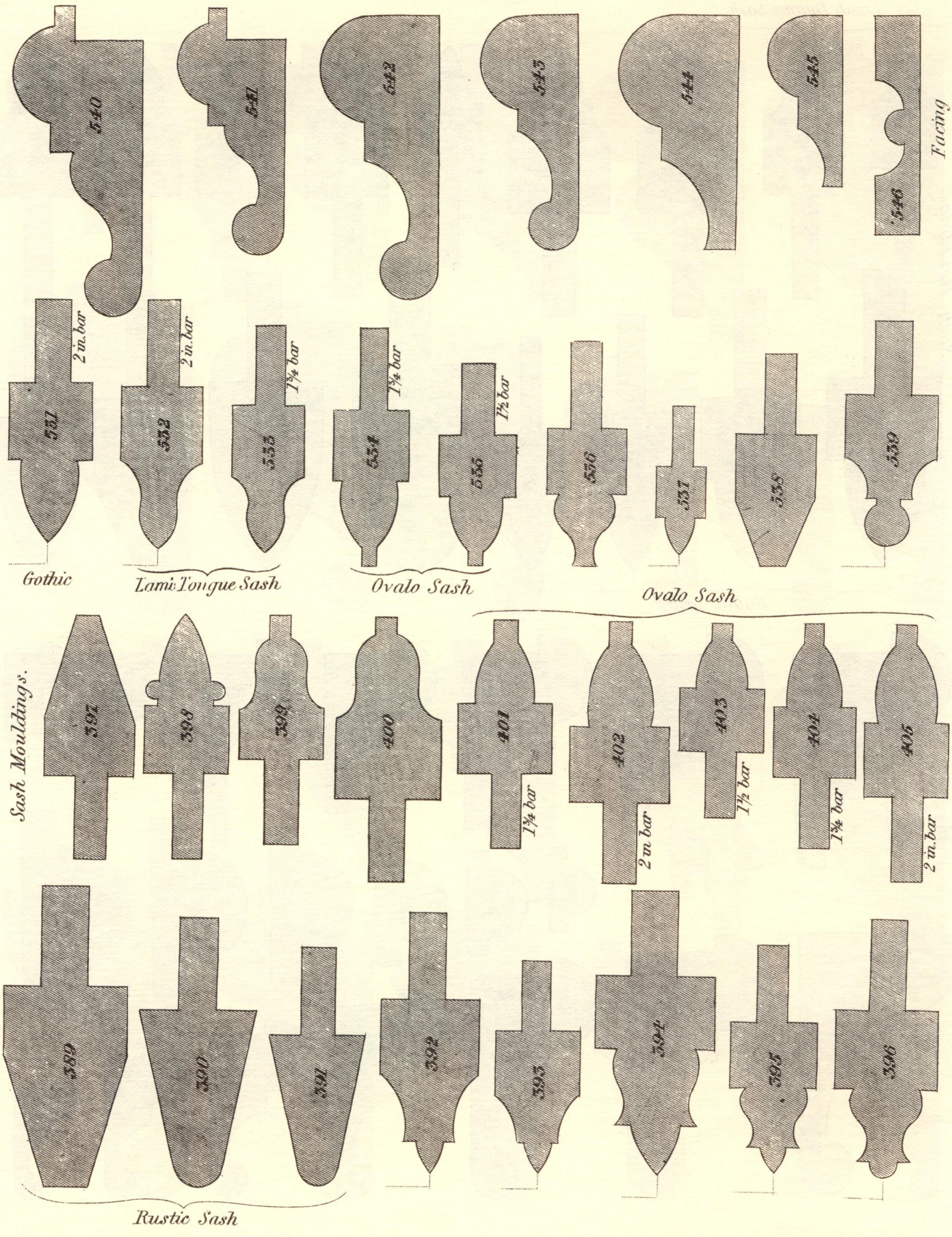


Gothic Sash



Astrigal

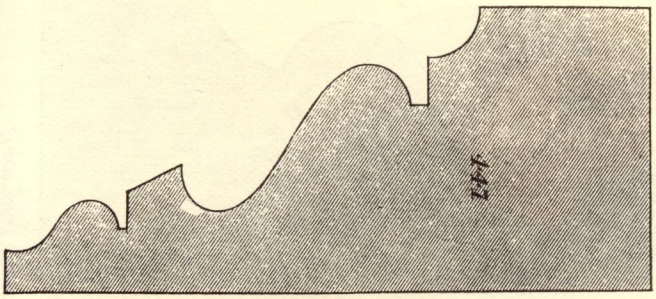
MOULDING PLANES

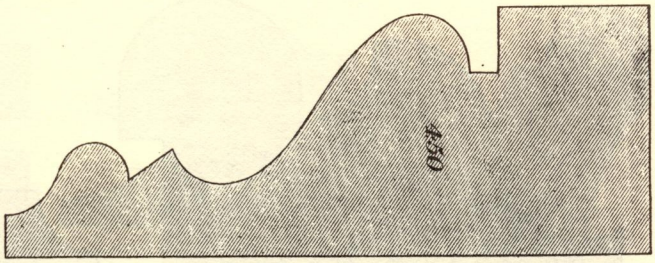


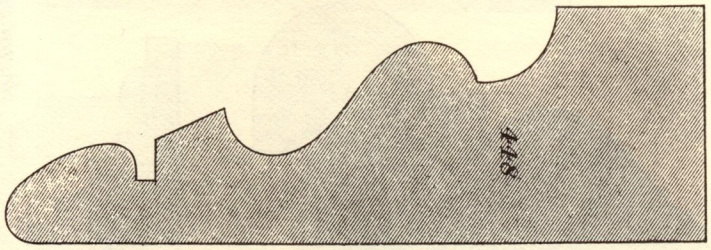
MOULDING PLANES

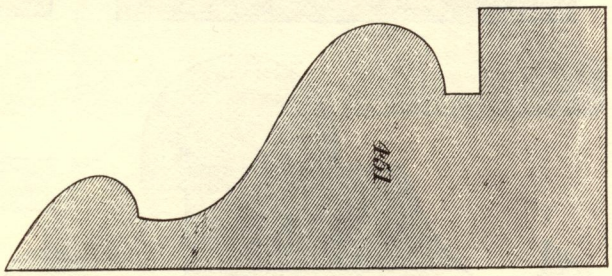
MOULDING PLANES

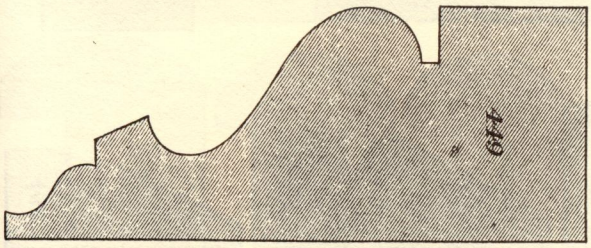
MOULDING PLANES

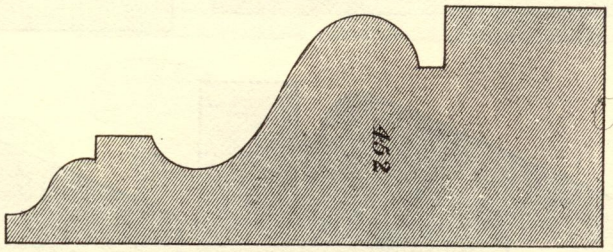


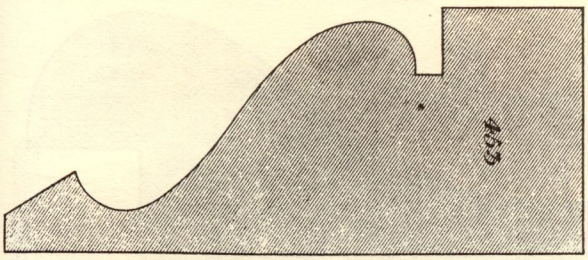


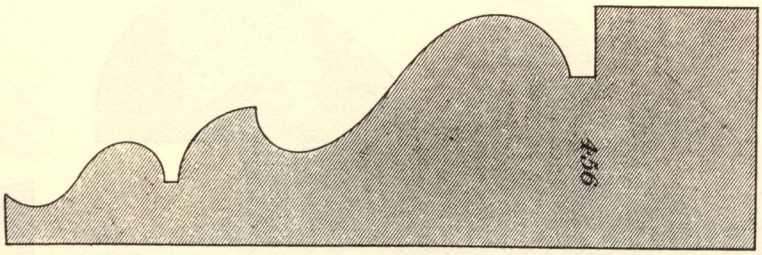


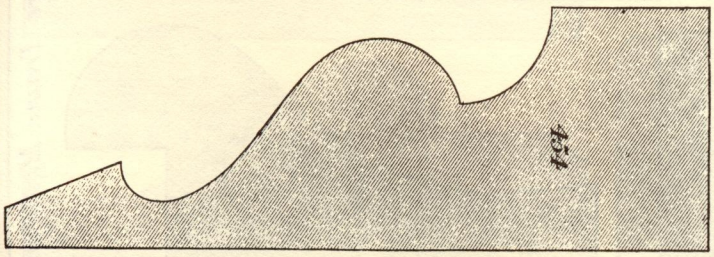


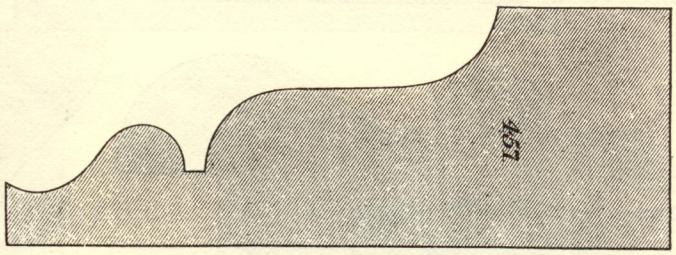


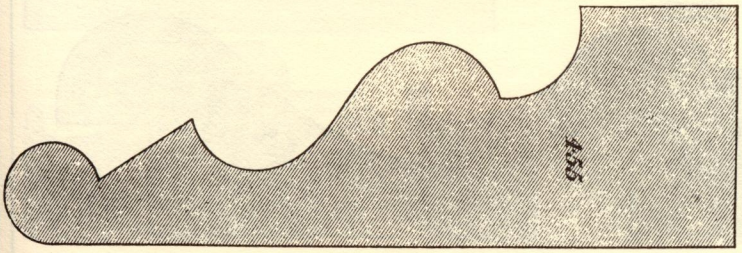


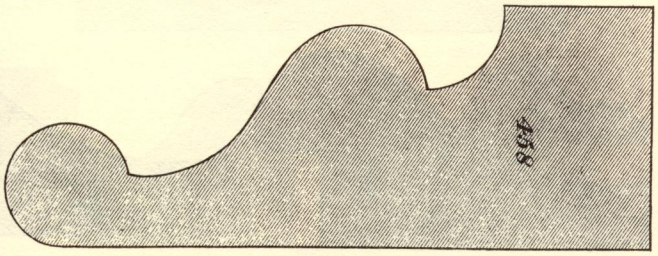






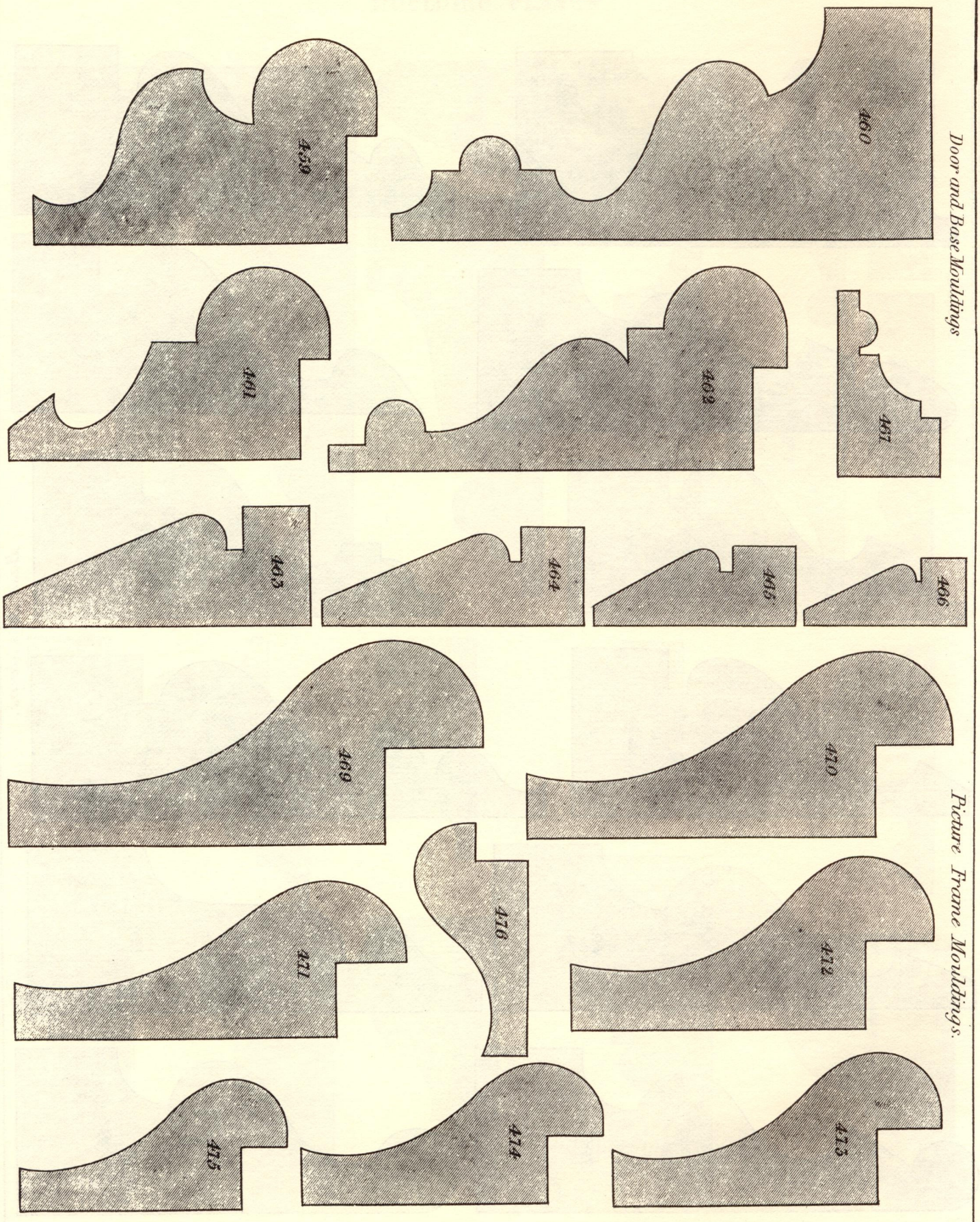




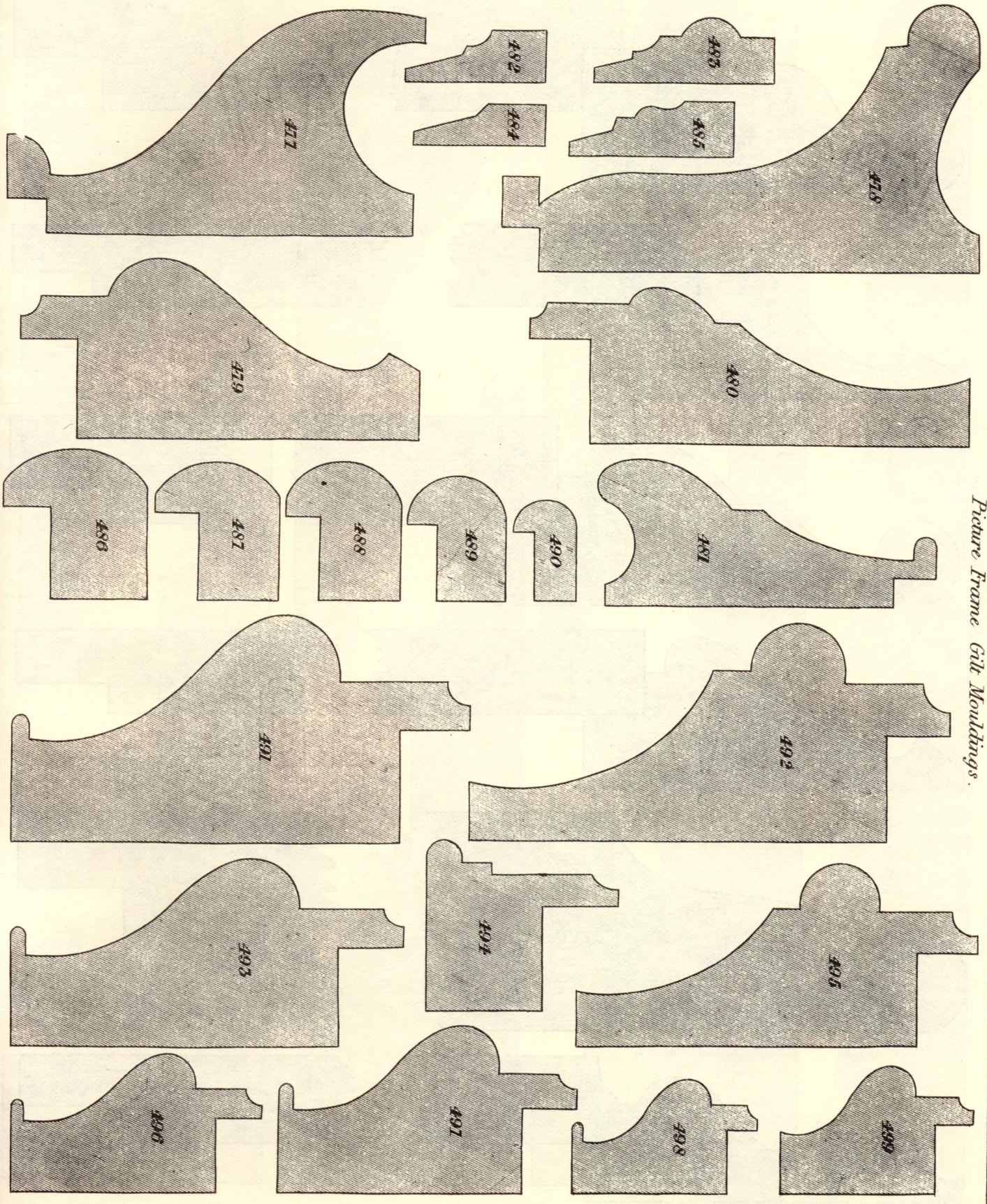


Base Mouldings.

MOULDING PLANES

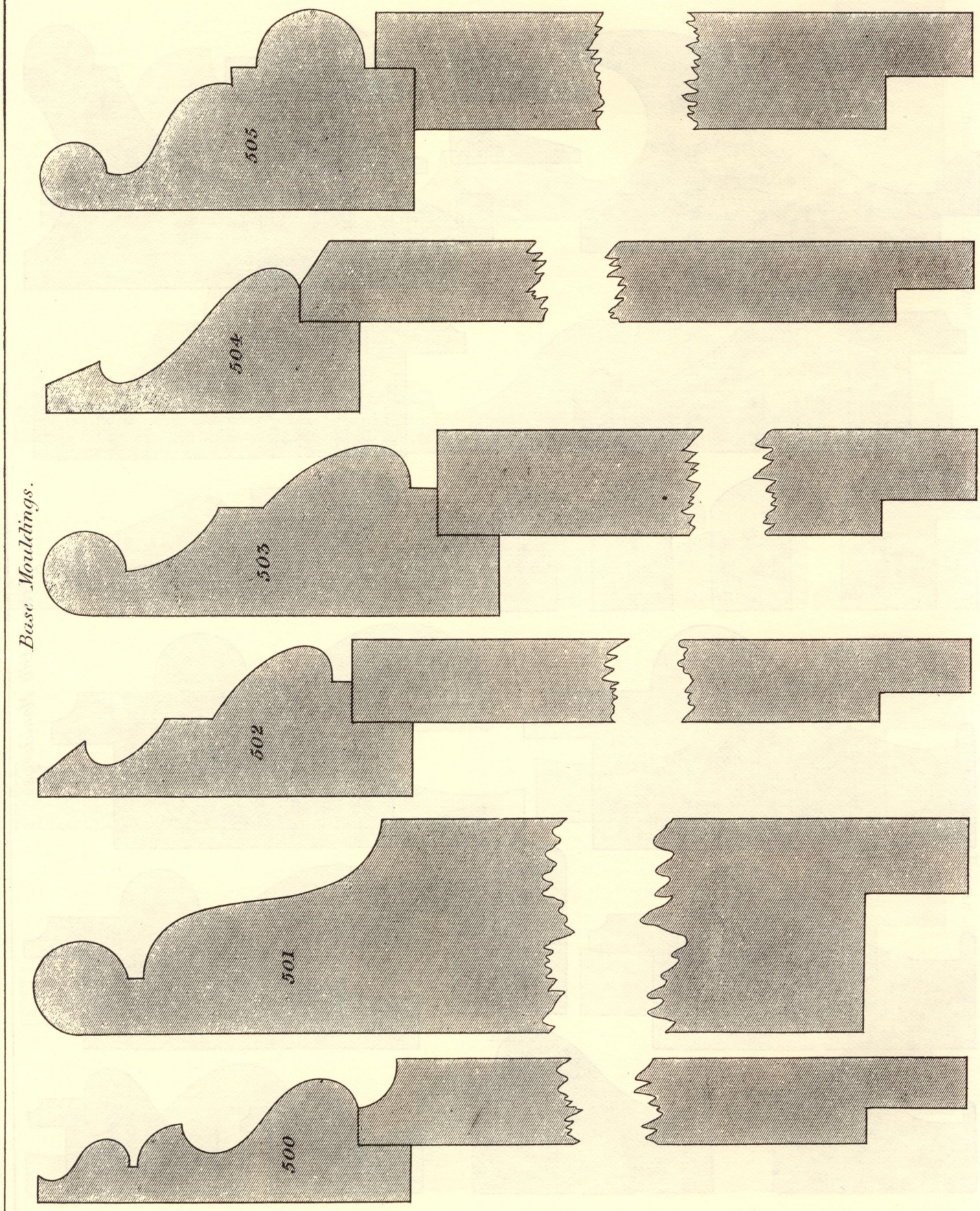


MOULDING PLANES



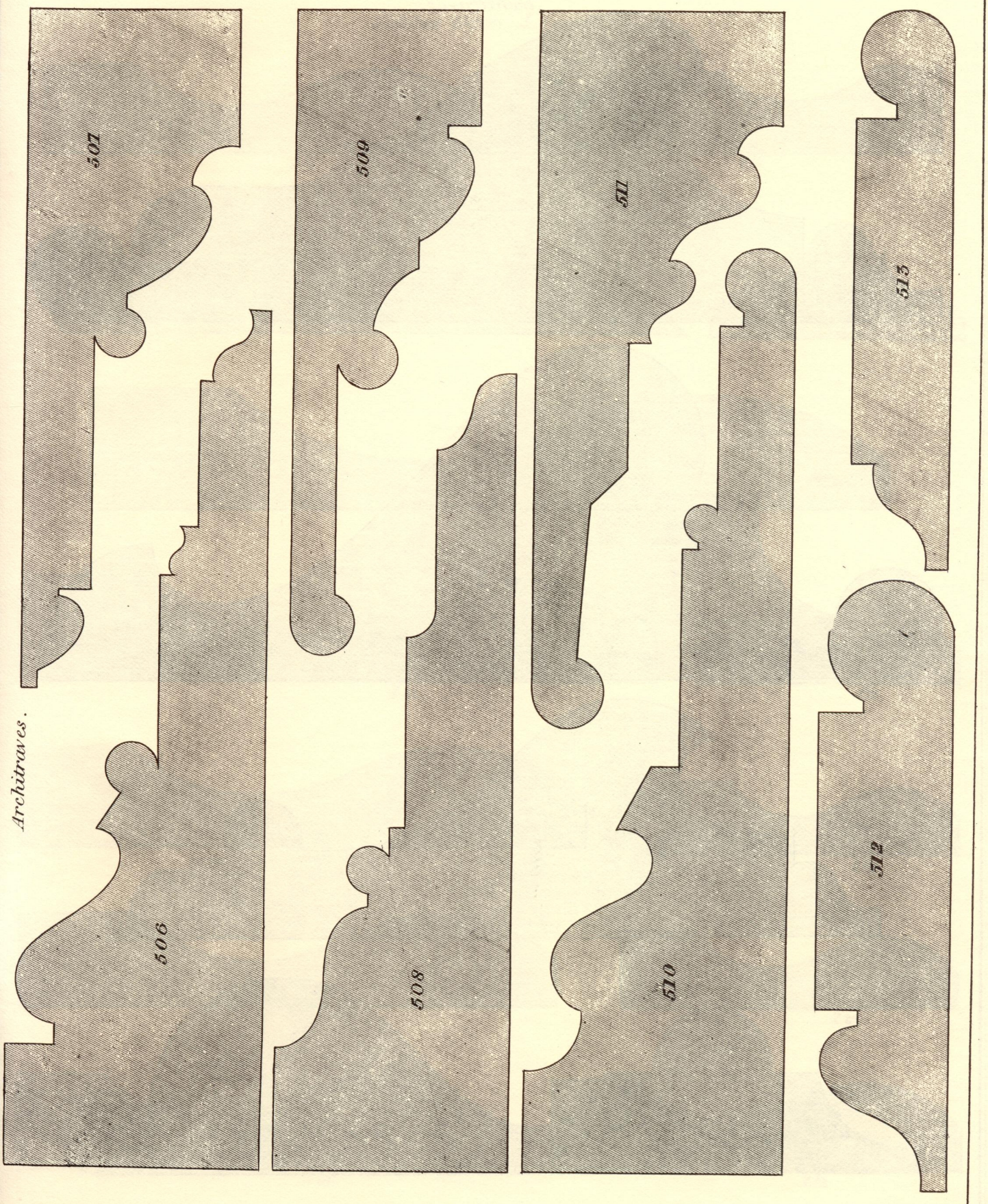
Picture Frame Gilt Mouldings.

MOULDING PLANES



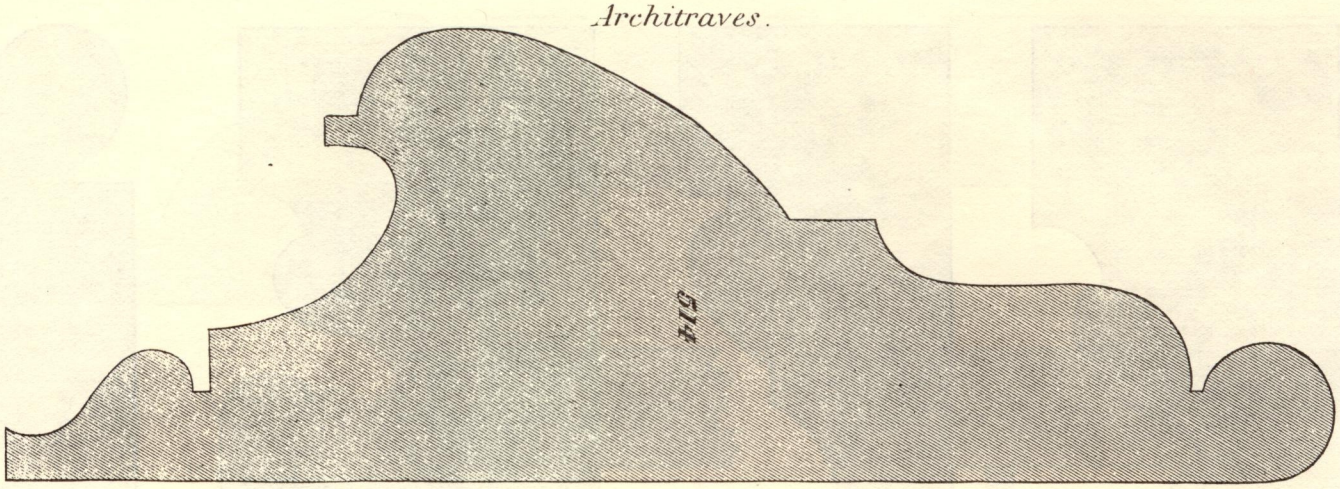
Base Mouldings.

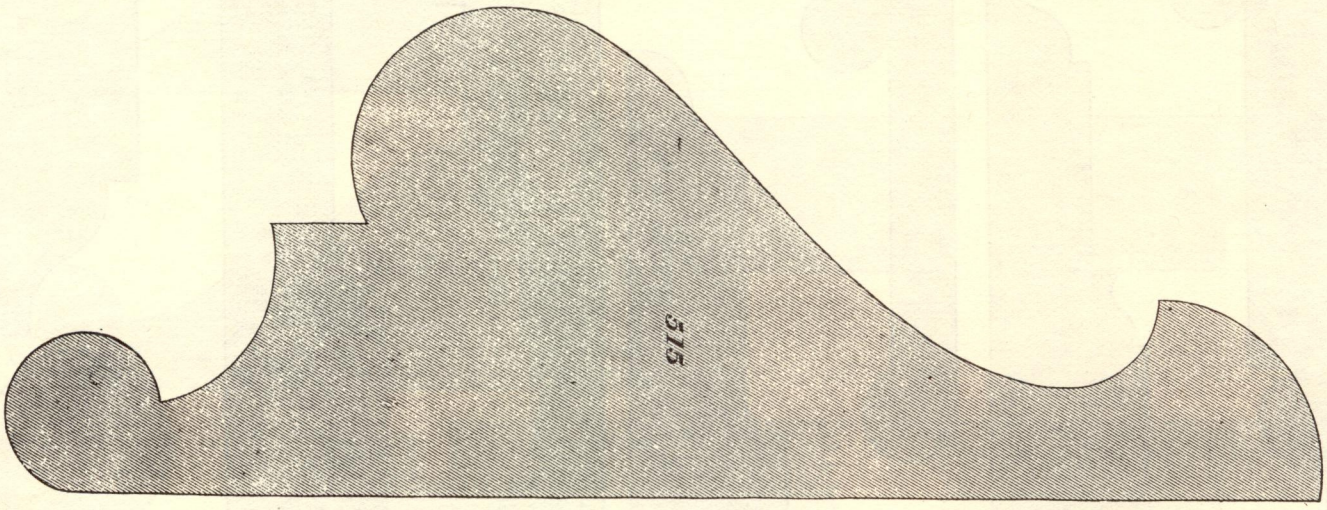
MOULDING PLANES

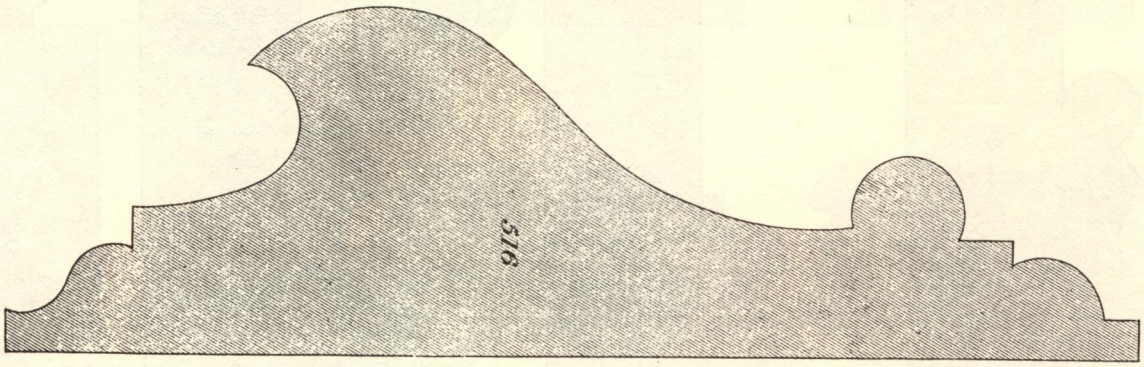


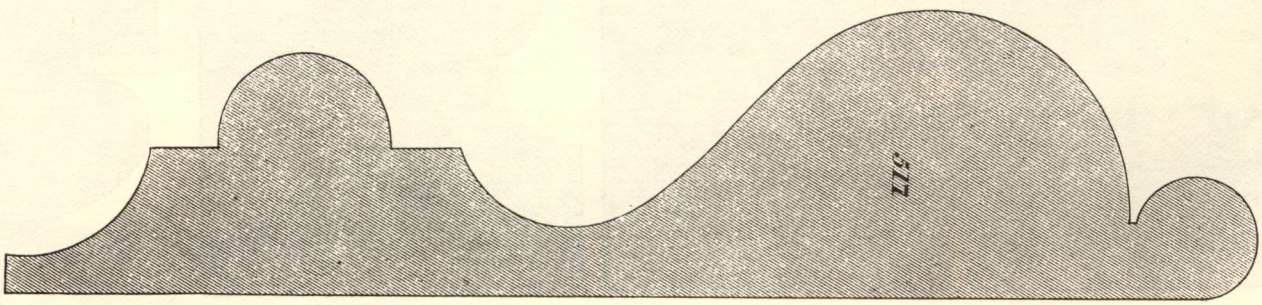
MOULDING PLANES

Architraves.



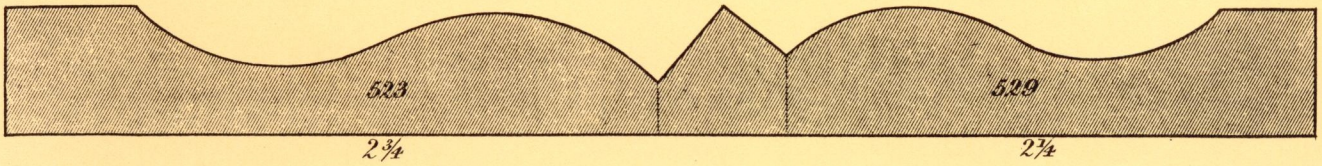






MOULDING PLANES

Cabinet Ogees & Cornices.



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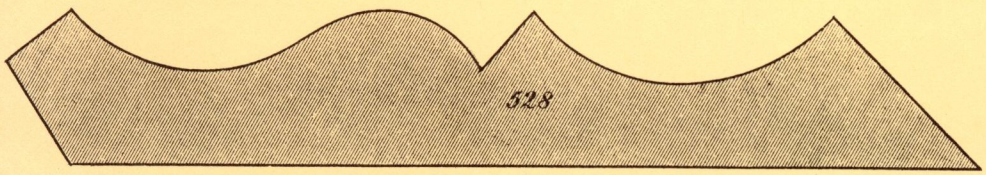

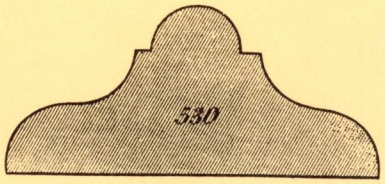

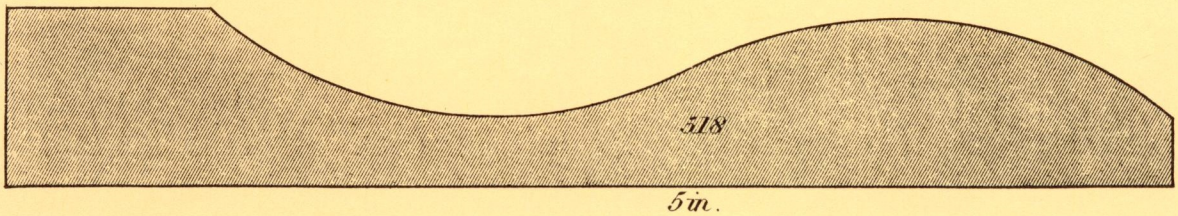

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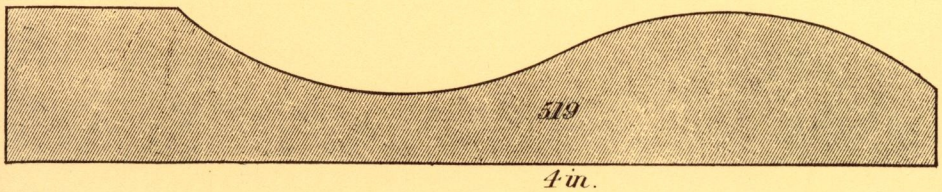

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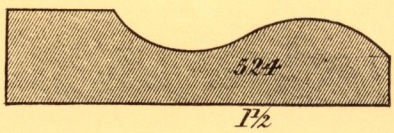

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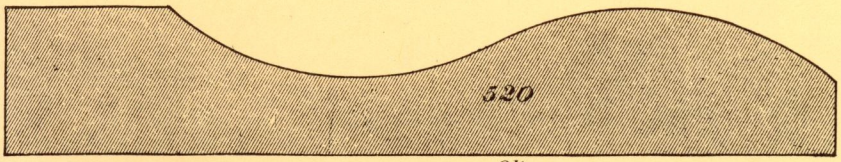

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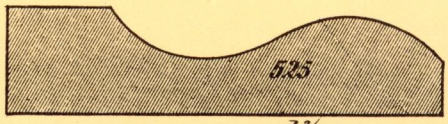

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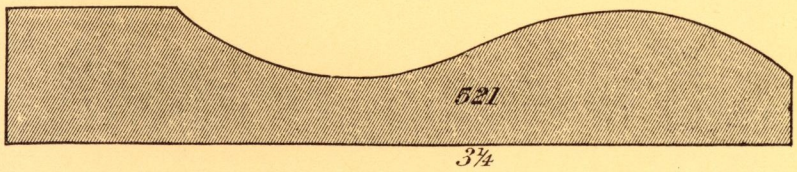

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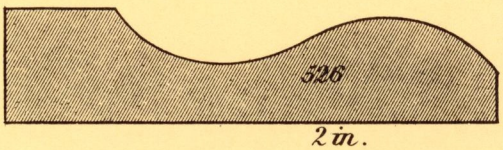

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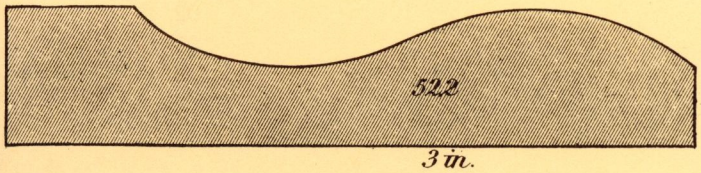

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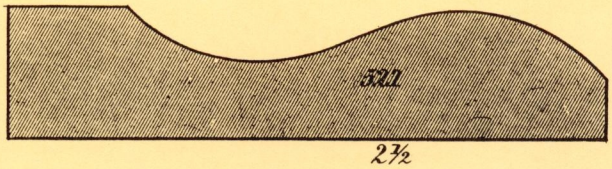

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